

SUPERIOR OIL

April 7, 1982

Mr. Mike Minder
Petroleum Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: McElmo Creek Unit #R-18
Proposed Infill Development Well
Section 9, T41S, R25E, SLM
San Juan County, Utah

Dear Mr. Minder:

Attached is Superior Oil's "Application for Permit to Drill" for the above captioned well. This well is staked on a 40 acre spacing to recover oil bypassed in the original flood pattern and is part of the overall Carbon Dioxide enhanced recovery program in the McElmo Creek Unit. Superior Oil is the designated operator of McElmo Creek Unit in San Juan County, Utah.

Sincerely,

SUPERIOR OIL COMPANY



Charles L. Hill
Area Production Superintendent

TGM/1h

SUPERIOR OIL

April 7, 1982

Mr. James Sims
District Engineer
Minerals Management Service
P. O. Box 600
Farmington, New Mexico 87401

Re: Surface Use & Operations Plan
Proposed Infill Development Well
McElmo Creek Unit #R-18
1808' FNL, 513' FWL
Section 9, T41S, R25E, SLM
San Juan County, Utah

Dear Mr. Sims:

The "Surface Use & Operations Plan" (as per NTL-6 requirements) for the proposed McElmo Creek Unit #R-18 is as follows:

1. The existing roads are shown on the "Proposed Access Road" plat.
2. A new 500' X 20' access road will be required as shown on the attached plat. The proposed road will run west from an existing road to the new location. The new road will consist of compacted sand and gravel with a maximum grade of 3%. No major cuts or fills are anticipated.
3. The location and status of wells in the vicinity are shown on the attached road and pipeline plats.
4. The location of production facilities and flowlines in the vicinity are shown on the attached "Proposed Pipeline" plat. A 2" flowline will run 4500' northeast to Superior's existing Area #2 Tank battery where the oil, gas and water will be separated.
5. Water for drilling operations will be trucked to location from Superior's fresh water wells near the San Juan River.
6. Materials necessary for the construction of the access road and drilling pad will be obtained from the location. No access road for the purpose of hauling materials will be necessary.
7. Waste materials will be collected in earth pits 6'-8' deep with steep sides. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete, these earth pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.

SUPERIOR OIL

8. No ancillary facilities will be constructed.
9. The location and position of drilling equipment is shown on an attached plat. Included in this plat is a cross section diagram showing cuts and fills that are necessary for drilling pad construction. The drilling pad will be located approximately at ground level. Materials at the location will be used for pad elevation.
10. Upon completion of operations, the site will be restored according to BIA requirements.
11. Surface land is owned by the Navajo Tribe and is used primarily for grazing. The flora in the area includes snakeweed, rabbitbrush, shadscale, narrow leaf yucca and prickly pear. There are no Indian habitations or artifacts in the immediate vicinity of the access road, flowline or drillsite.

Very truly yours,

SUPERIOR OIL COMPANY



T. Greg Merrion
Petroleum Engineer

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by the SUPERIOR OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditons under which it is approved.

4/8/82
Date


Charles L. Hill
Area Production Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1808' FNL, 513' FWL of Section 9

At proposed prod. zone
Same

S W N W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1.7 miles north of Aneth, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

513'

16. NO. OF ACRES IN LEASE

800

17. NO. OF ACRES ASSIGNED

TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1500'

19. PROPOSED DEPTH

5650'

Chimney Rock

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4637' Ungraded Ground Level

22. APPROX. DATE WORK WILL START*

June 15, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#, H-40	100'	Redi-mix to surface
12-1/4"	8-5/8"	24#, K-55	1500'	800 sx to surface
7-7/8"	5-1/2"	15.5#, K-55	5650'	250 sx

1. Drill 17-1/2" hole to 100'. Run 100' of 13-3/8", 48#, H-40 conductor casing and cement to surface w/ Redi-mix.
2. Drill 12-1/4" hole to 1500'. Run 1500' of 8-5/8", 24#, K-55 surface casing and cement to surface w/ 600 sx 65/35 Pozmix + 200 sx C1 'B' cement.
3. Drill 7-7/8" hole to 5650' (or to base of Desert Creek).
4. Log well w/ GR-CNL-FDC from TD to 1500'.
5. Run 5650' of 5-1/2", 15.5#, K-55 production casing and cement w/ 250 sx C1 'B' cement.
6. Complete in Ismay and/or Desert Creek based on log evaluation. Stimulate as necessary.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGOrig + 5 - USGS, State, Navajo Tribe, Reg. Group, Joint In **DATE:** Drilling 4/15/82 **BY:** KB Langstaff

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

T. Greg Merriam

TITLE

Petroleum Engineer

DATE

April 7, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SUPPLEMENTAL TO FORM 9-331-C

WELL: McElmo Creek Unit #R-18

ELEVATION: 4637' Ungraded Ground Level

SURFACE FORMATION: Dakota

ESTIMATED FORMATION TOPS: (Measured from KB level at 4651')

Chinle	1300'
DeChelly	2600'
Ismay	5280'
Lower Ismay	5370'
Desert Creek	5410'
Chimney Rock	5610'
TD	5650'

WATER BEARING FORMATION: Water is expected to be encountered intermittently from 300' to 1300'

HYDROCARBON BEARING FORMATION: Oil & gas could be encountered in the Ismay and Desert Creek from 5370' to 5610'.

MUD PROGRAM: Surface to 2600' - fresh water based mud.
2600' to 5650' - lignosulfonate or similar mud system. Water loss controlled to 15 cc or less and weighted with Barite as necessary.

CASING PROGRAM: Conductor - 13-3/8", 48#, H-40, ST&C new casing set to 100'.
Surface - 8-5/8", 24#, K-55, ST&C new casing set to 1500'.
Production - 5-1/2", 15.5#, K-55, ST&C new casing set to 5650'.

(2)

CEMENT PROGRAM:

Conductor - cement to surface w/ Redi-mix.

Surface - cement to surface w/ 600 sx 65/35
Pozmix + 200 sx Class 'B'.

Production - cement w/ 250 sx Class 'B'.

LOGGING PROGRAM:

TD to 1500': GR-FDC-CNL.

DRILL STEM TESTS:

None.

CORING:

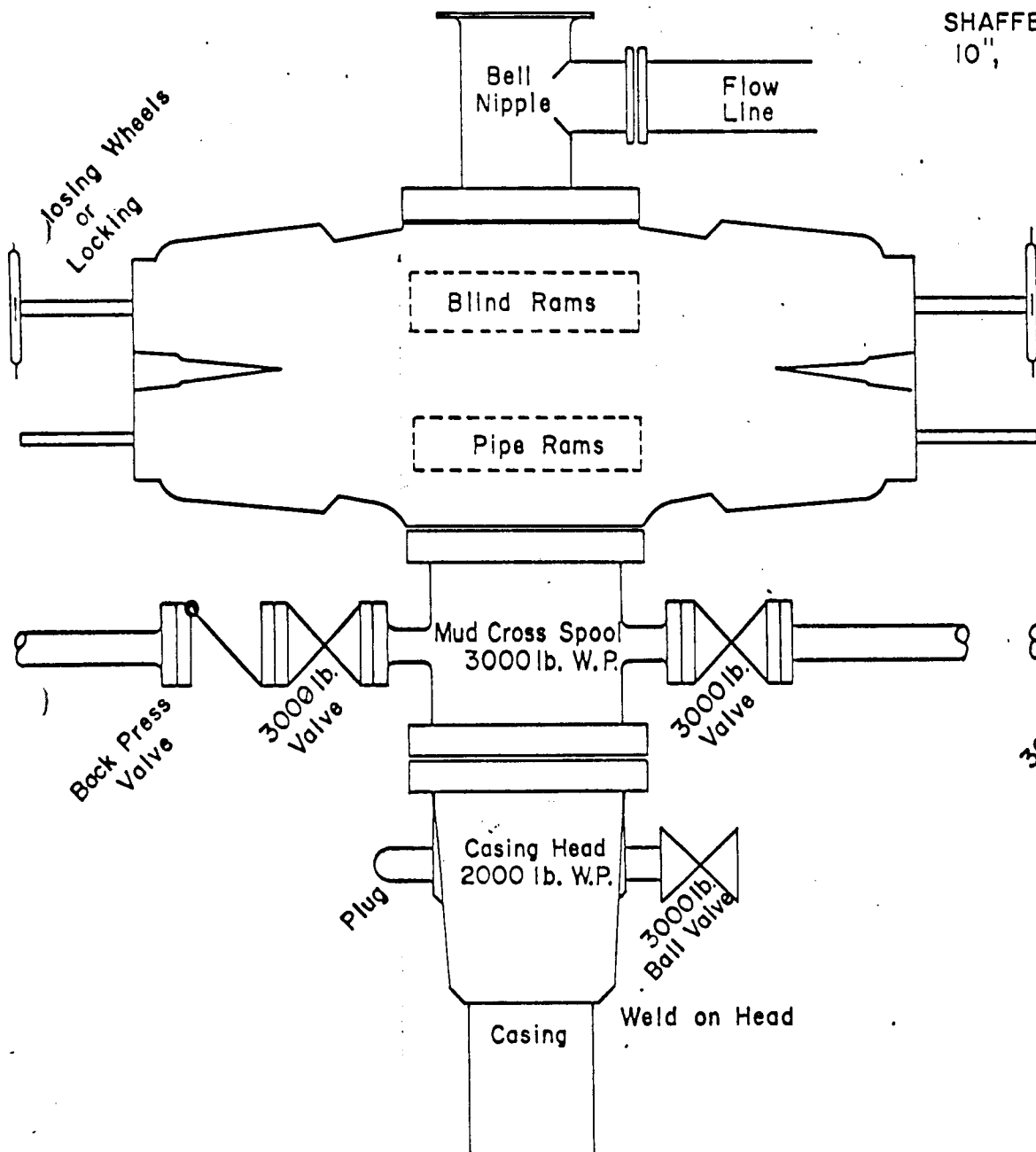
None.

PRESSURE CONTROLS:

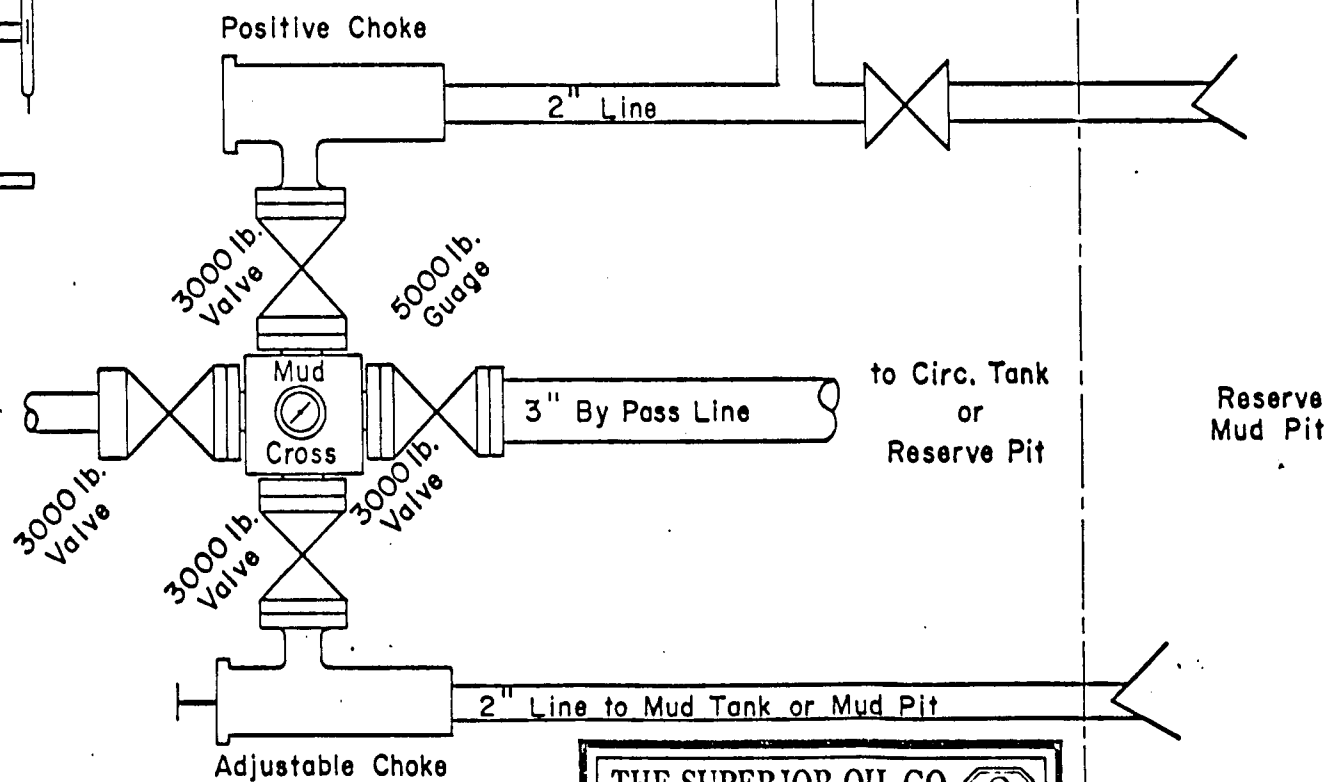
Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blind rams will be tested daily. The schematic of the pressure control equipment can be seen on the attached diagram. The mud system will be monitored by visual inspection.

ANTICIPATED STARTING DATE: June 15, 1982

TGM/1h



SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



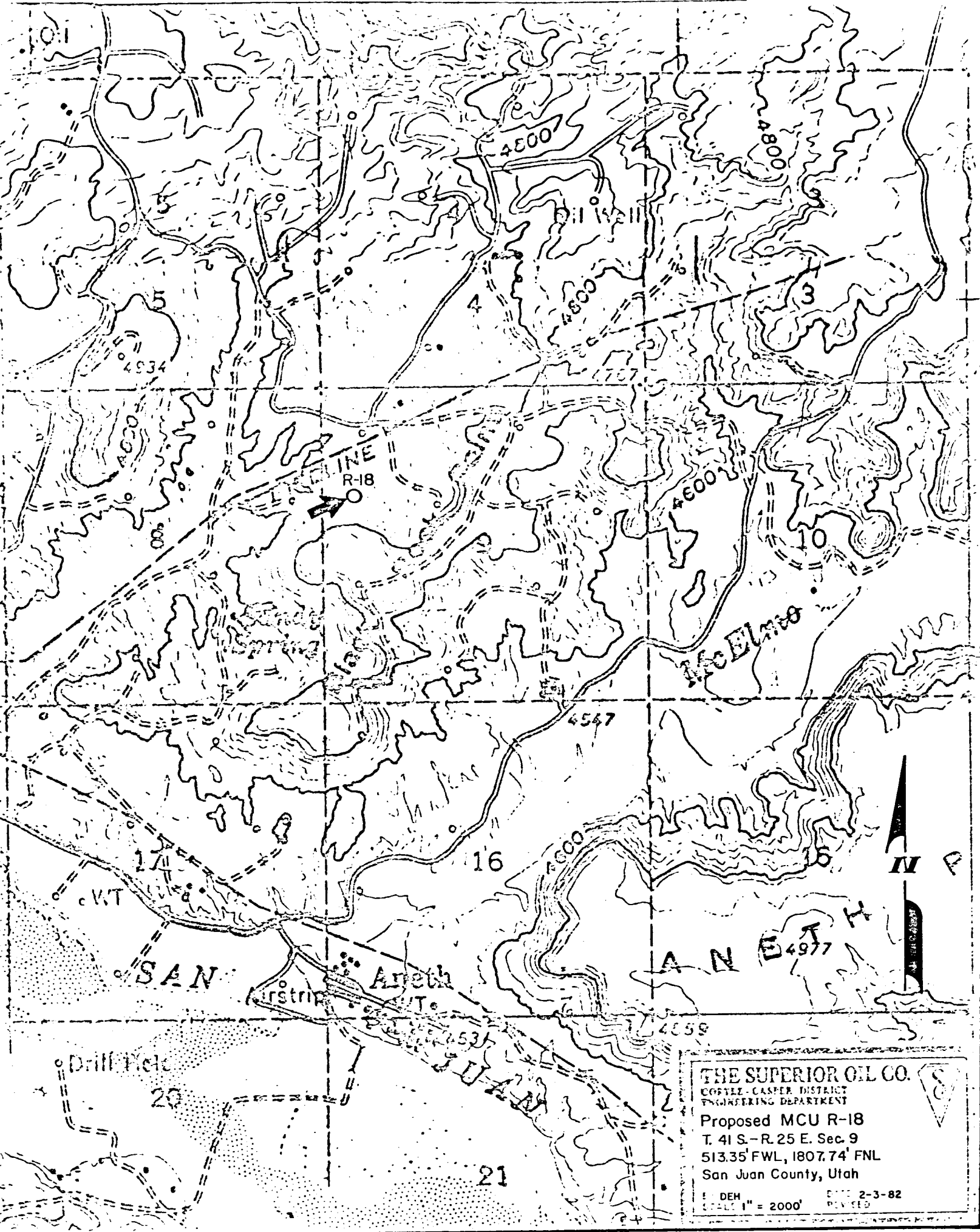
Circulating Tank

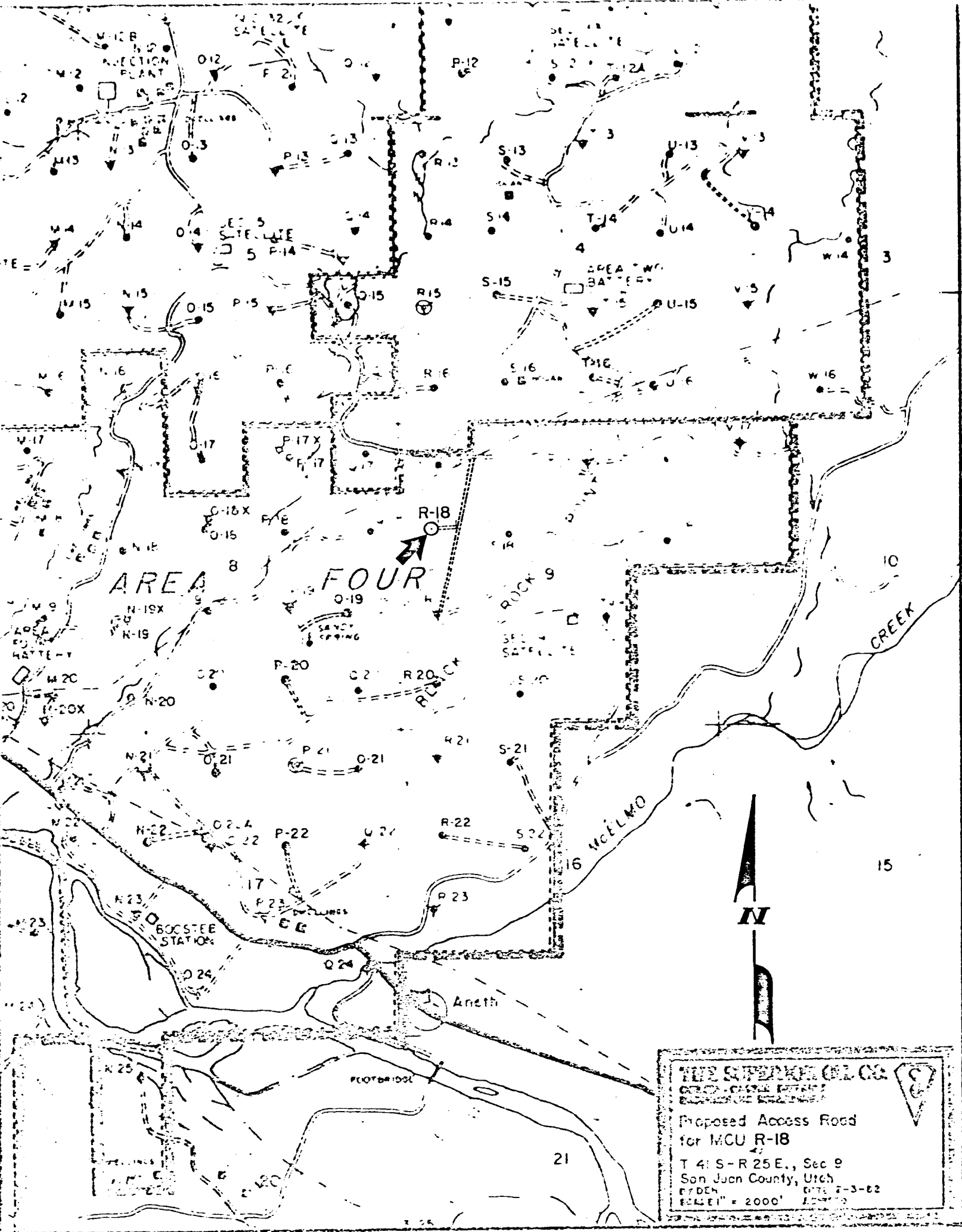
Reserve Mud Pit

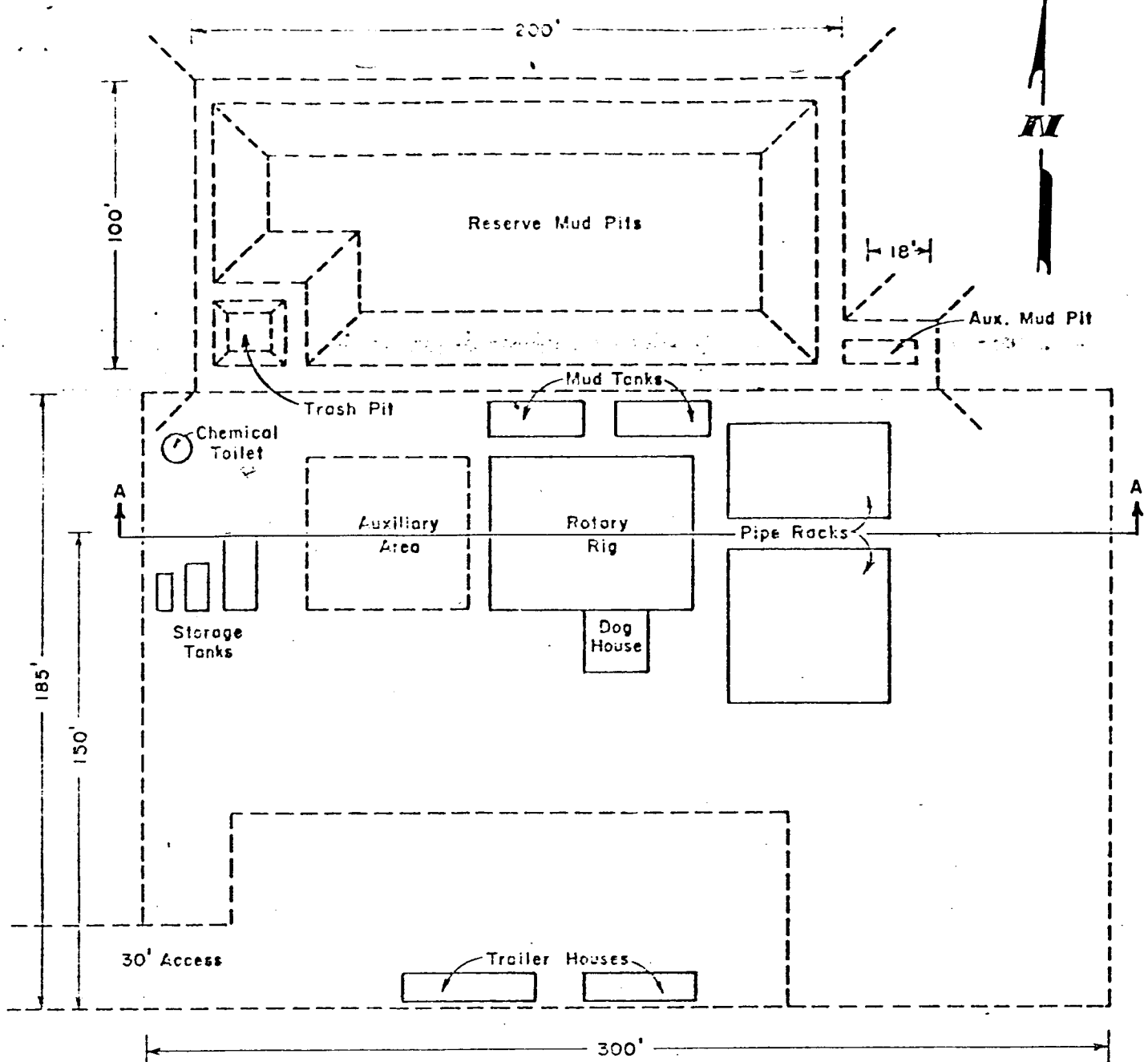
THE SUPERIOR OIL CO.
CORTEZ-CASPER DISTRICT
ENGINEERING DEPARTMENT
SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT

BY JEG
SCALE NONE

DATE 6/25/79
REVISED

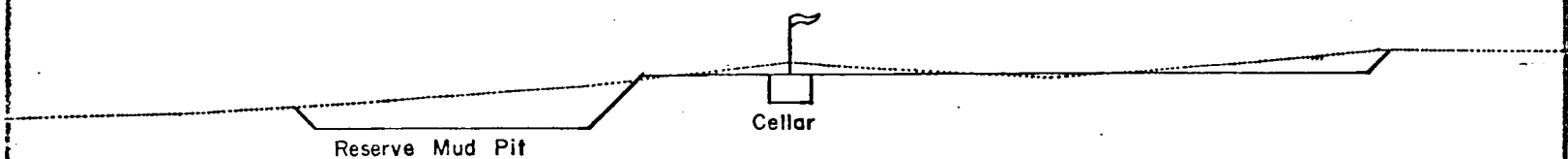






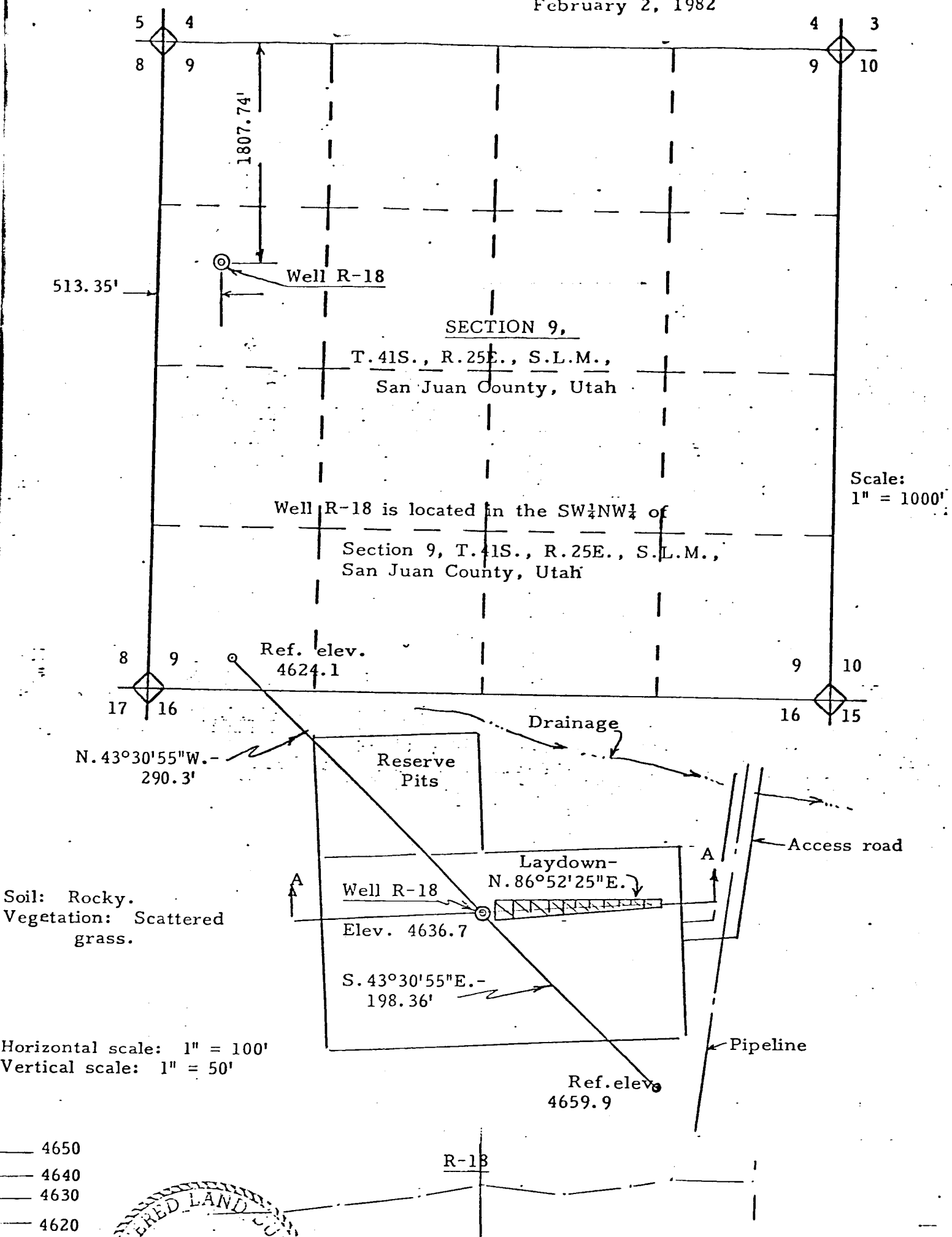
The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
MCU R-18
Original Elev. 4636.7



Original Contour
Reference Point
Graded Proposal

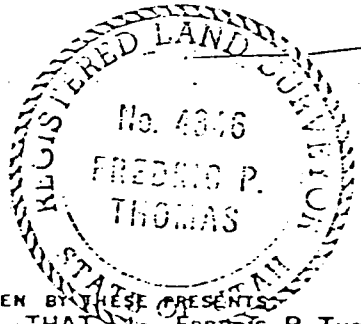
THE SUPERIOR OIL CO. CORTEZ - CASPER DISTRICT ENGINEERING DEPARTMENT		
RIG LAYOUT & DRILL PAD CROSS SECTION McELMO CREEK UNIT WELL NO. R-18		
BY JES SCALE 1" = 50'	DATE 2-5-82 REVISED DEN	



Soil: Rocky.
Vegetation: Scattered
grass.

Horizontal scale: 1" = 100'
Vertical scale: 1" = 50'

— 4650
— 4640
— 4630
— 4620
— 4610



NOW ALL MEN BY THESE PRESENTS
THAT I, FREDRIC P. THOMAS
hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas
FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

Bearing by
Solar
observation

Utah Reg. No. 4346

SECTION A-A



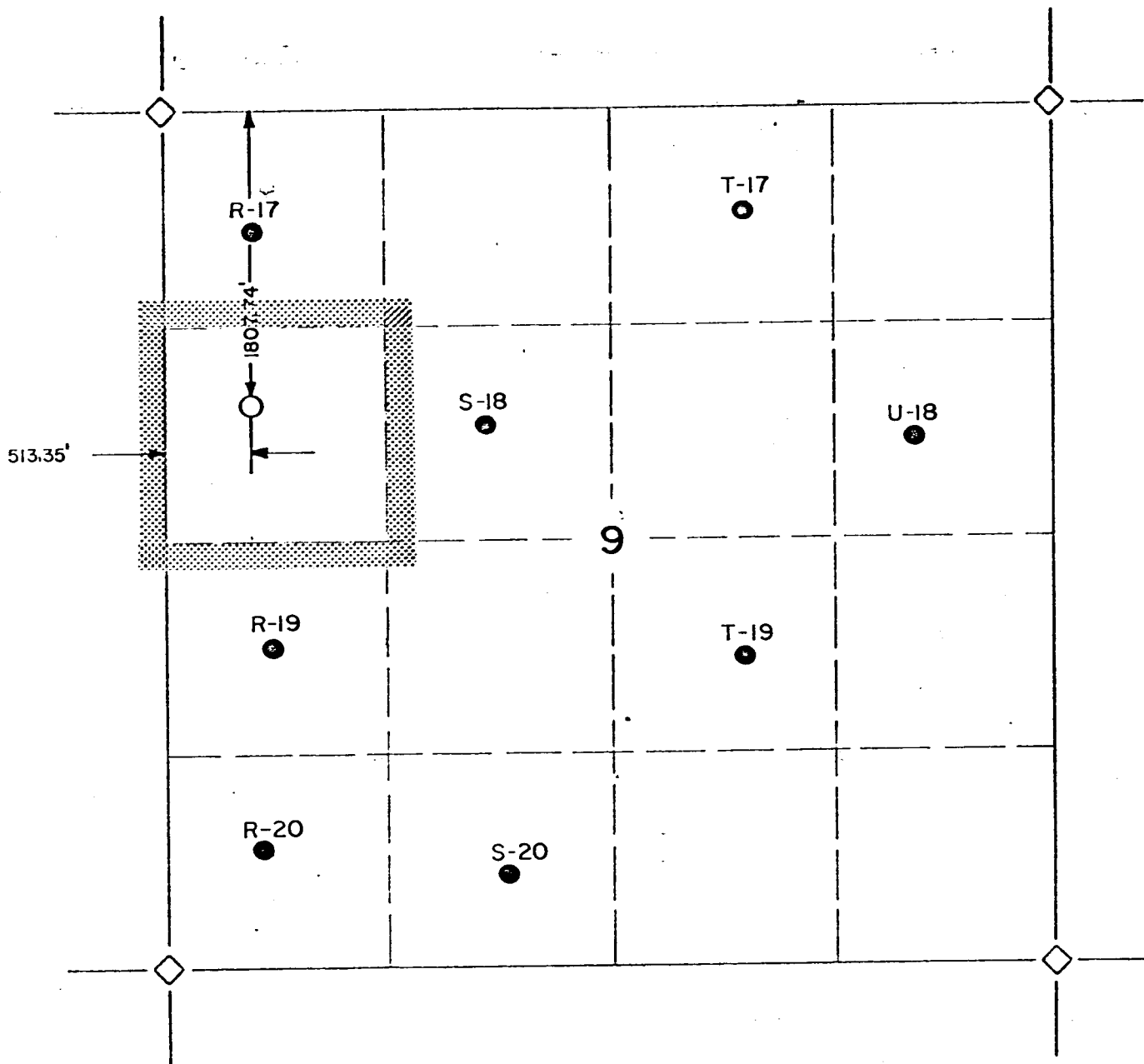
THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

THE SUPERIOR OIL CO.

OPERATOR

Well No. MCU R-18



McElmo Creek Unit

SW/NW SECTION 9, T.41S. - R.25E.



Charles L. Hill

Scale: 1" = 1000'



- Location
- Well
- ⊕ Injector

**** FILE NOTATIONS ****

DATE: 4-13-82

OPERATOR: Superior Oil Co.

WELL NO: Mc Elmo Creek #R-18

Location: Sec. 9 T. 41S R. 25E County: San Juan

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-037-30778

CHECKED BY:

Petroleum Engineer: _____

Director: Unit Well

Administrative Aide: Unit Well

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Ind.

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

April 15, 1982

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado 81321

WELL NO: McElm Creek R-18
Sec. 9, T. 41 S, R. 25E
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

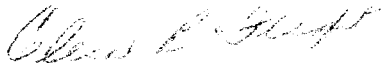
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30778.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight
Director

CBF/as
Encl.
cc: Minerals Management Service



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 16, 1983

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado 81321

Re: See attached list of wells

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf

Well No. McElmo Creek Unit # R-10
Sec. 33, T. 40S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek Unit # S-09
Sec. 33, T. 40S, R. 25E.
San Jaun County, Utah

Well No. McElmo Creek # R-18
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek # S-17
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek #S-19
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek # T-18
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek #U-17
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

SUPERIOR OIL

March 24, 1983

State of Utah
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: See attached list of wells

Gentlemen:

The subject wells have not been spudded as of this date. Superior Oil intends to drill these infill wells within McElmo Creek Unit pending the initiation of the CO2 flood. It is requested that approval of the "Application for Permit to Drill" be extended one year.

Respectfully,

SUPERIOR OIL COMPANY

T. Greg Merrion

T. Greg Merrion
Production Engineer

TGM/lh
Attach.

RECEIVED
MAR 31 1983

DIVISION OF
OIL GAS & MINING

Well No. McElmo Creek Unit # R-10
Sec. 33, T. 40S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek Unit # S-09
Sec. 33, T. 40S, R. 25E.
San Jaun County, Utah

Well No. McElmo Creek # R-18
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek # S-17
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek #S-19
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek # T-18
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

Well No. McElmo Creek #U-17
Sec. 9, T. 41S, R. 25E.
San Juan County, Utah

RECEIVED

MAR 31 1983

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1808' FNL, 513' FWL, Sec. 9 SWNW
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Extension of APD	

5. LEASE
14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME
McELMO CREEK UNIT

8. FARM OR LEASE NAME

9. WELL NO.
#R-18

10. FIELD OR WILDCAT NAME
GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 9, T41S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30778

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4637' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Superior Oil requests an extension on the approved Application for Permit to Drill (APD) for the subject well. This well will be spudded within the next six (6) months pending the initiation of the CO₂ flood.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 11/21/83
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James S. Andres TITLE Petroleum Engineer DATE 4-5-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1808' FNL, 513' FWL, SEC. 9 SWNW
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Amend APD ☒

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1500' of 9-5/8" 47#, S-95, LT&C surface csg will be run instead of 8-5/8" surface csg, (cmt'd to surface). A 8-1/2" hole will be drilled to a total depth of 5650' and 7" 20# K-55, ST&C will be run instead of 5-1/2" csg. (Quantity of cmt: 150 sx)

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED James S. Andres TITLE Petroleum Engineer DATE 10-6-1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF
GAS & MINING

Set @ _____

SUPERIOR Oil

Andy
Carli

OCT 17 1983

**DIVISION OF
OIL, GAS & MINING**

October 13, 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Distribution of Oil & Gas
Lease Sale Notices

Gentlemen:

Please consider this letter as our official notice of address change, effective November 1, 1983 and our request that Superior Oil be maintained on your mailing list to receive notices regarding any forthcoming sales of oil and gas leases on lands administered by you.

We will appreciate your sending notices to the following address:

The Superior Oil Company
600 17th Street
Suite 1500
Denver, Colorado 80202
ATTN: Land Department

Thank you very much.

Very truly yours,

THE SUPERIOR OIL COMPANY

Jed W. Lemmons/cbb

Jed W. Lemmons
Division Land Manager

JWL/cbb

The Superior Oil Company

Denver Division

1860 Lincoln St., Suite 800,
Lincoln Tower Building, Denver, CO 80295
(303) 863-2600, Twx: 910 931 2539

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1808' FNL, 513' FWL, SEC. 9 SWNW
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Drilling Operations			

5. LEASE
14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME
McELMO CREEK UNIT

8. FARM OR LEASE NAME

9. WELL NO.
#R-18

10. FIELD OR WILDCAT NAME
GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 9, T41S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30778

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4637' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 10-15-83: Spudded well at 1500 hrs w/ Arapahoe #2 rig. Opening 12-1/4" hole to 17-1/2" hole, drilled to 111'. Ran 13-3/8", 54.5#, J-55, ST&C conductor csg to 111'.
- 10-16-83: Cmt'd conductor csg to surface w/ 145 sx (171 cu.ft.) Class 'B' cmt w/ 2% CaCl. Circulated approximately 7 bbls good cmt - annulus stayed full.
- 10-17-83: Drilled 12-1/4" hole to 1367'. Ran 34 jts 9-5/8", 47#, S-95, LT&C surface csg Cmt'd csg w/ 447 sx (715 cu.ft.) of Lite cmt w/ 6% Gel and 5#/sk Hi Seal. Followed w/ 150 sx (177 cu.ft.) Class 'B' cmt + 2% CaCl. Circulated 26 bbls good cmt - annulus stayed full.
- 10-30-83: Drilled 8-1/2" hole to 5366'. Condition mud & hole for coring.
- 10-31-83: Core #1 - 5368-5427'.

Continued on reverse side.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Roberto Dentici TITLE Engineer DATE 11-8-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

11-3-83: Drilled 8-1/2" hole to 5642'.
11-4-83: Logging (Run 1: DIL-SFL-SP-GR; Run 2: CNL-FDC-NGT-GR, Run 3: EPT-GR; Run 4: RFT).
11-5-83: Ran the following production casing:
 GL - 62' 7", 26#, L-80 LT&C.
 62' - 2606' 7", 20#, K-55 ST&C.
 2606' - 5642' 7", 26#, L-80 LT&C.
Cmt'd w/ 540 sx (588 cu.ft.) Class 'B' cmt + 5#/sk NaCl + .8% FR-4 (friction
reducers) + .3% CF-10 (fluid loss additive) + .2% AFHD (anti foam).
Released Arapahoe Rig #2 at 11:30 P.M. on 11-5-83.

CORE LABORATORIES, INC.**LAB***Petroleum Reservoir Engineering*COMPANY **THE SUPERIOR OIL COMPANY**WELL **MCELMO CREEK UNIT R-18**FIELD **ANETH**COUNTY **SAN JUAN** STATE **UTAH**LOCATION **SW NE SEC. 9-T41S-R25E**FILE NO. **3803-3302**DATE **01-NOV-83**ELEV. **4650 KB**FORMATION **LOWER ISMAY**DRLG FLD. **WBM**

CORES

CORRELATION COREGRAPH

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VERTICAL SCALE: 5" 100'

Gamma Ray

RADIATION INCREASE →

**DIVISION OF
OIL, GAS & MINING****Permeability**

MILLIDARCIES

Porosity

PERCENT

Total Water

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation

PERCENT PORE SPACE

0 0 20 40 60 80 100

100 10 1.0 .1

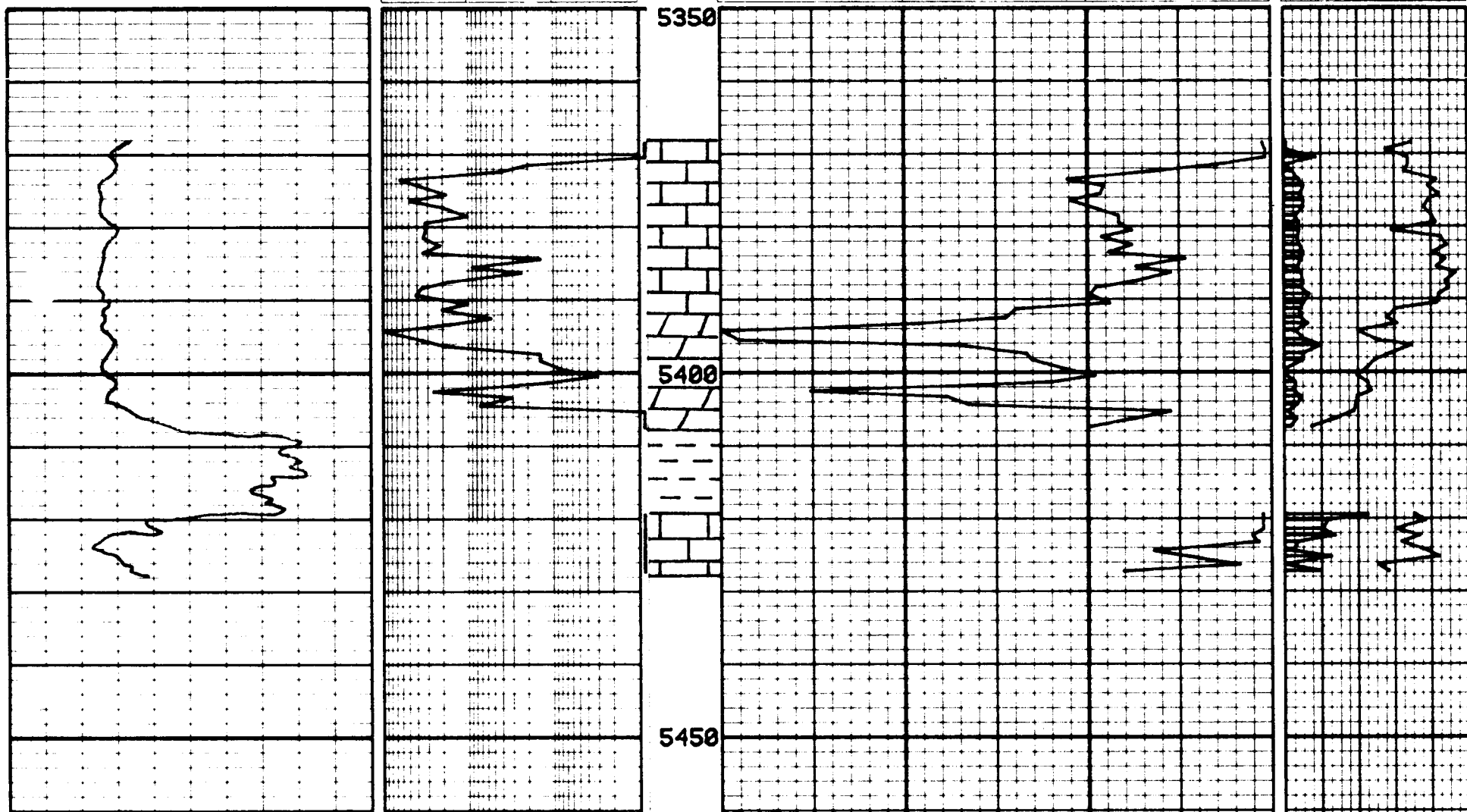
Depth
Feet 30

20 10

5350

5400

5450



CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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DIVISION OF
OIL, GAS & MINING

CORE ANALYSIS REPORT

FOR

THE SUPERIOR OIL COMPANY

MCELMO CREEK UNIT R-18
ANETH FIELD
SAN JUAN COUNTY, UTAH

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

THE SUPERIOR OIL COMPANY
MCELMO CREEK UNIT R-18
SAN JUAN COUNTY, UTAH

DATE : 01-NOV-83
FIELD: ANETH FIELD

FILE NO: 3803-3302
ANALYST: GG:DS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 1

THE SUPERIOR OIL COMPANY

MCCELMO CREEK UNIT R-18
ANETH FIELD
SAN JUAN COUNTY

FORMATION : LOWER ISMAY
DRLG. FLUID: WBM
LOCATION : SW,NW SEC.9-41S-25E
STATE : UTAH

DATE : 11-01-83
FILE NO. : 3803-003302
ANALYSTS : GG:DS
ELEVATION: 4650 KB

FULL DIAMETER ANALYSIS--BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD)			POR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
		MAX.	90 DEG.	VERTICAL					
1	5368-69	<0.01	*		0.6	0.0	31.3	2.71	LM GRV VFXLN
2	5369-70	<0.01	*		0.4	0.0	45.5	2.71	LM GRV VFXLN
3	5370-71	<0.01	*		0.4	16.5	33.0	2.71	LM GRV VFXLN
4	5371-72	2.2	*		3.0	0.0	33.5	2.71	LM GRV VFXLN
5	5372-73	4.3	3.8	** 11	6.5	3.5	35.3	2.71	LM GRV/BRN VFXLN SL/VUG
6	5373-74	** 68	19	** 61	11.2	7.8	17.9	2.71	LM BRN/GRV VFXLN SL/VUG
7	5374-75	** 39	22	** 54	9.2	10.1	22.8	2.70	LM BRN/GRV VFXLN SL/VUG CVF
8	5375-76	19	13	7.6	9.4	7.3	16.2	2.71	LM BRN/GRV VFXLN SL/VUG
9	5376-77	51	48	75	11.1	9.5	22.8	2.71	LM BRN/GRV VFXLN SL/VUG
10	5377-78	21	18	21	9.9	9.7	24.9	2.70	LM BRN/GRV VFXLN SL/VUG
11	5378-79	11	11	12	8.4	5.7	20.5	2.71	LM BRN/GRV VFXLN SL/VUG
12	5379-80	35	32	46	8.4	7.1	18.4	2.72	LM BRN/GRV VFXLN SL/VUG
13	5380-81	34	34	6.4	7.7	7.0	42.0	2.71	LM BRN/GRV VFXLN SL/VUG
14	5381-82	36	29	57	9.3	6.2	15.0	2.70	LM BRN/GRV VFXLN SL/VUG
15	5382-83	23	18	19	7.7	7.4	11.8	2.71	LM BRN/GRV VFXLN SL/VUG
16	5383-84	37	30	63	9.0	9.5	19.0	2.71	LM BRN/GRV VFXLN SL/VUG
17	5384-85	1.5	1.3	0.19	4.8	8.3	13.3	2.70	LM BRN/GRV VFXLN SL/VUG
18	5385-86	9.7	9.0	4.3	7.5	6.8	17.6	2.71	LM BRN/GRV VFXLN SL/VUG
19	5386-87	2.5	1.7	0.37	5.6	8.9	7.1	2.74	LM BRN/GRV VFXLN SL/VUG
20	5387-88	18	15	11	7.5	9.7	12.9	2.74	LM BRN/GRV VFXLN SL/VUG
21	5388-89	38	35	46	9.7	8.2	11.0	2.72	LM BRN/GRV VFXLN SL/VUG
22	5389-90	45	38	26	10.0	12.8	16.4	2.76	LM BRN/GRV VFXLN DOL SL/VUG
23	5390-91	11	9.8	7.9	8.9	10.2	17.9	2.79	LM BRN/GRV VFXLN DOL SL/VUG
24	5391-92	22	*	57	14.0	7.9	39.6	2.87	DOL BRN VFXLN/RTHY SL/ANHY
25	5392-93	5.9	5.4	4.6	14.6	8.2	45.0	2.85	DOL BRN VFXLN/RTHY SL/ANHY

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 2

THE SUPERIOR OIL COMPANY

MCELMO CREEK UNIT R-18
ANETH FIELD
SAN JUAN COUNTY

FORMATION : LOWER ISMAY
DRLG. FLUID: WBM
LOCATION : SW,NW SEC.9-41S-25E
STATE : UTAH

DATE : 11-01-83
FILE NO. : 3803-003302
ANALYSTS : GG:DS
ELEVATION: 4650 KB

FULL DIAMETER ANALYSIS---BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX. 90 DEG. VERTICAL	POR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
26	5393-94	17 *	0.14	19.4	12.0	38.7	2.87 DOL BRN VFXLN/RTHY SL/ANHY
27	5394-95	117 *	40	32.8	5.6	61.2	2.86 DOL BRN VFXLN/RTHY SL/ANHY
28	5395-96	37 32	29	29.1	11.4	50.8	2.85 DOL BRN VFXLN/RTHY SL/ANHY
29	5396-97	20 *	6.7	17.1	19.0	32.0	2.94 DOL BRN VFXLN/RTHY SL/ANHY
30	5397-98	1.5 1.5		13.4	9.5	42.8	2.78 DOL BRN VFXLN/RTHY SL/ANHY
31	5398-99	1.5 1.5		13.1	9.4	51.8	2.80 DOL BRN VFXLN/RTHY SL/ANHY
32	5399 -0	0.80 0.80		11.3	0.8	56.1	2.77 DOL BRN VFXLN/RTHY SL/ANHY
33	5400 -1	0.33 0.33		9.7	0.9	60.8	2.80 DOL BRN VFXLN/RTHY SL/ANHY
34	5401 -2	1.3 1.0		12.0	5.8	54.8	2.78 DOL BRN VFXLN/RTHY SL/ANHY
35	5402 -3	27 *		25.3	5.3	53.4	2.84 DOL BRN VFXLN/RTHY SL/ANHY
36	5403 -4	3.2 2.9		17.7	8.5	60.8	2.81 DOL BRN VFXLN/RTHY SL/ANHY
37	5404 -5	7.9 *		16.6	6.4	61.6	2.80 DOL BRN VFXLN/RTHY SL/ANHY
38	5405 -6	0.02 *		5.6	1.8	62.9	2.83 DOL BRN VFXLN/RTHY SL/ANHY
39	5406 -7	0.02 *		7.6	6.0	72.3	2.79 DOL BRN VFXLN/RTHY SL/ANHY
40	5407 -8	<0.01 *		10.0	2.4	86.0	2.78 DOL BRN VFXLN/RTHY SL/ANHY
	5408-5419						SHALE - NO ANALYSIS
41	5419-20	<0.01 *		0.5	44.7	29.8	2.72 LM GRY VFXLN
42	5420-21	<0.01 *		0.5	23.2	23.2	2.69 LM GRY VFXLN
43	5421-22	<0.01 *		0.5	20.0	40.1	2.68 LM GRY VFXLN
44	5422-23	<0.01 *		1.1	27.5	27.5	2.70 LM GRY VFXLN
45	5423-24	<0.01 *		0.8	6.1	36.4	2.67 LM GRY VFXLN OVF
46	5424-25	0.04 *		6.5	4.6	23.0	2.69 LM GRY VFXLN OVF
47	5425-26	0.01 *		4.5	25.2	16.8	2.70 LM GRY VFXLN
48	5426-27	<0.01 *		1.8	0.0	49.9	2.70 LM GRY/BRN VFXLN
49	5427-28	0.05 *		8.2	19.0	43.4	2.70 LM GRY/BRN VFXLN SL/VUG

* SAMPLE UNSUITABLE FOR FULL DIAMETER ANALYSIS; CONV. PLUG USED
** FRACTURE PERMEABILITY
OVF OPEN VERTICAL FRACTURE CUF CLOSED VERTICAL FRACTURE

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

THE SUPERIOR OIL COMPANY
MCELMO CREEK UNIT R-18

DATE : 01-NOV-83
FORMATION : LOWER ISMAY

FILE NO. : 3803-3302
ANALYSTS : GG:DS

*** CORE SUMMARY AVERAGES FOR 1 ZONE ***

DEPTH INTERVAL: 5368.0 TO 5408.0

FEET OF CORE ANALYZED : 40.0 FEET OF CORE INCLUDED IN AVERAGES: 40.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

PERMEABILITY HORIZONTAL RANGE (MD.)	:	0.00 TO 118.	(UNCORRECTED FOR SLIPPAGE)
HELIUM POROSITY RANGE (%)	:	0.3 TO 100.0	
OIL SATURATION RANGE (%)	:	0.0 TO 20.0	
WATER SATURATION RANGE (%)	:	7.0 TO 90.0	

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGES FOR DEPTH INTERVAL: 5368.0 TO 5408.0

AVERAGE PERMEABILITY (MILLIDARCIES)

ARITHMETIC PERMEABILITY	:	19.
GEOMETRIC PERMEABILITY	:	3.9
HARMONIC PERMEABILITY	:	0.07

PRODUCTIVE CAPACITY (MILLIDARCY-FEET)

ARITHMETIC CAPACITY	:	769.
GEOMETRIC CAPACITY	:	158.
HARMONIC CAPACITY	:	2.9

AVERAGE POROSITY (PERCENT) : 10.9

AVERAGE TOTAL WATER SATURATION : 40.4
(PERCENT OF PORE SPACE)

AVERAGE RESIDUAL OILSATURATION : 8.0
(PERCENT OF PORE SPACE)

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Petroleum Reservoir Engineering
 DALLAS, TEXAS

PERMEABILITY VS POROSITY

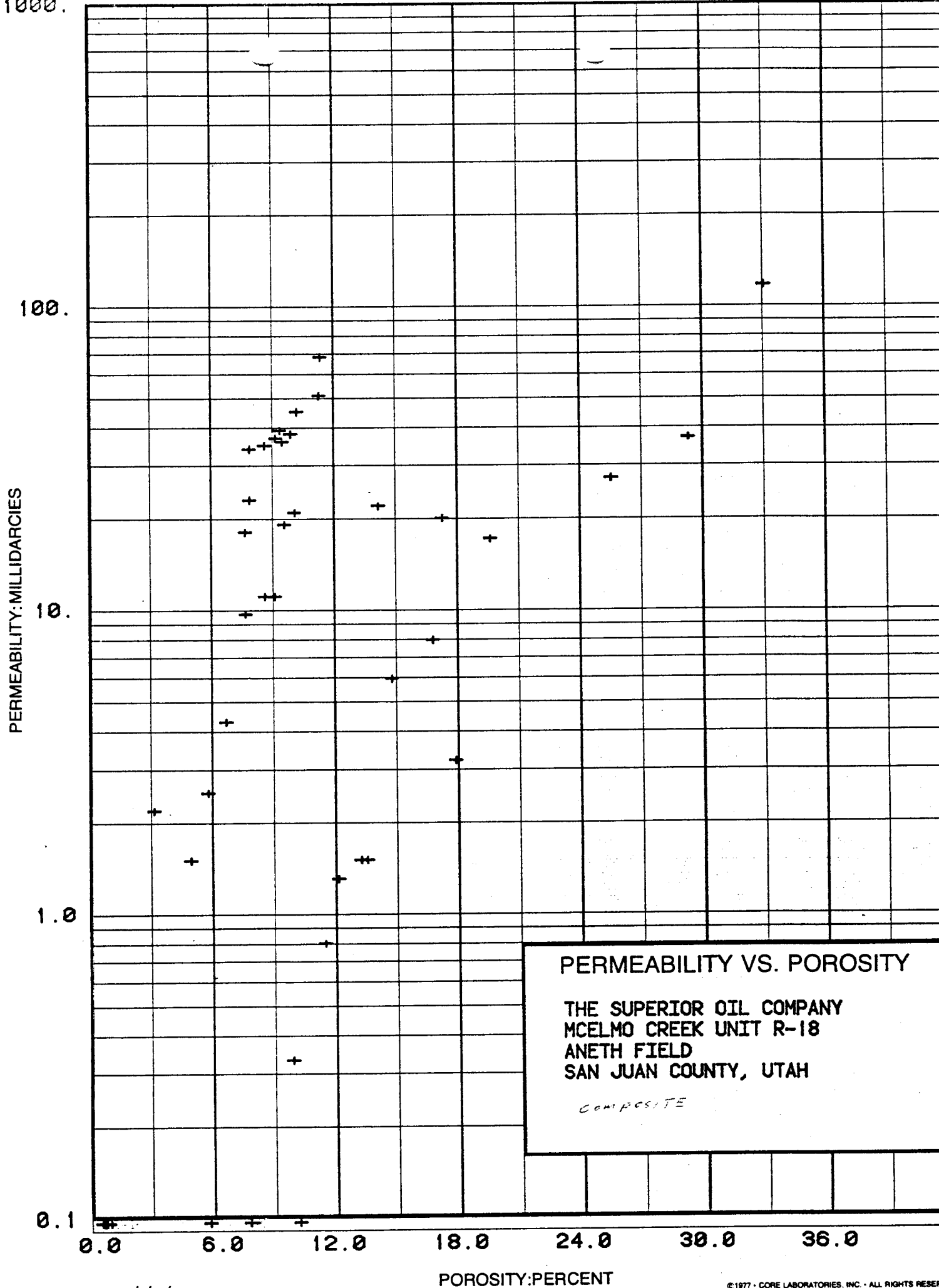
COMPANY: THE SUPERIOR OIL COMPANY
 FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
 COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL (UNCORRECTED FOR SLIPPAGE)
 POROSITY : PERCENT (HELIUM)

composite

DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY		POROSITY		POROSITY AVERAGE	PERMEABILITY AVERAGES		
		MINIMUM	MAXIMUM	MIN.	MAX.		ARITHMETIC	HARMONIC	GEOMETRIC
5368.0 - 5408.0	1 (+)	0.000	118.0	0.3	32.9	10.9	19.	0.07	3.9



PERMEABILITY VS POROSITY

COMPANY: THE SUPERIOR OIL COMPANY
FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL (UNCORRECTED FOR SLIPPAGE)
POROSITY : PERCENT (HELIUM)

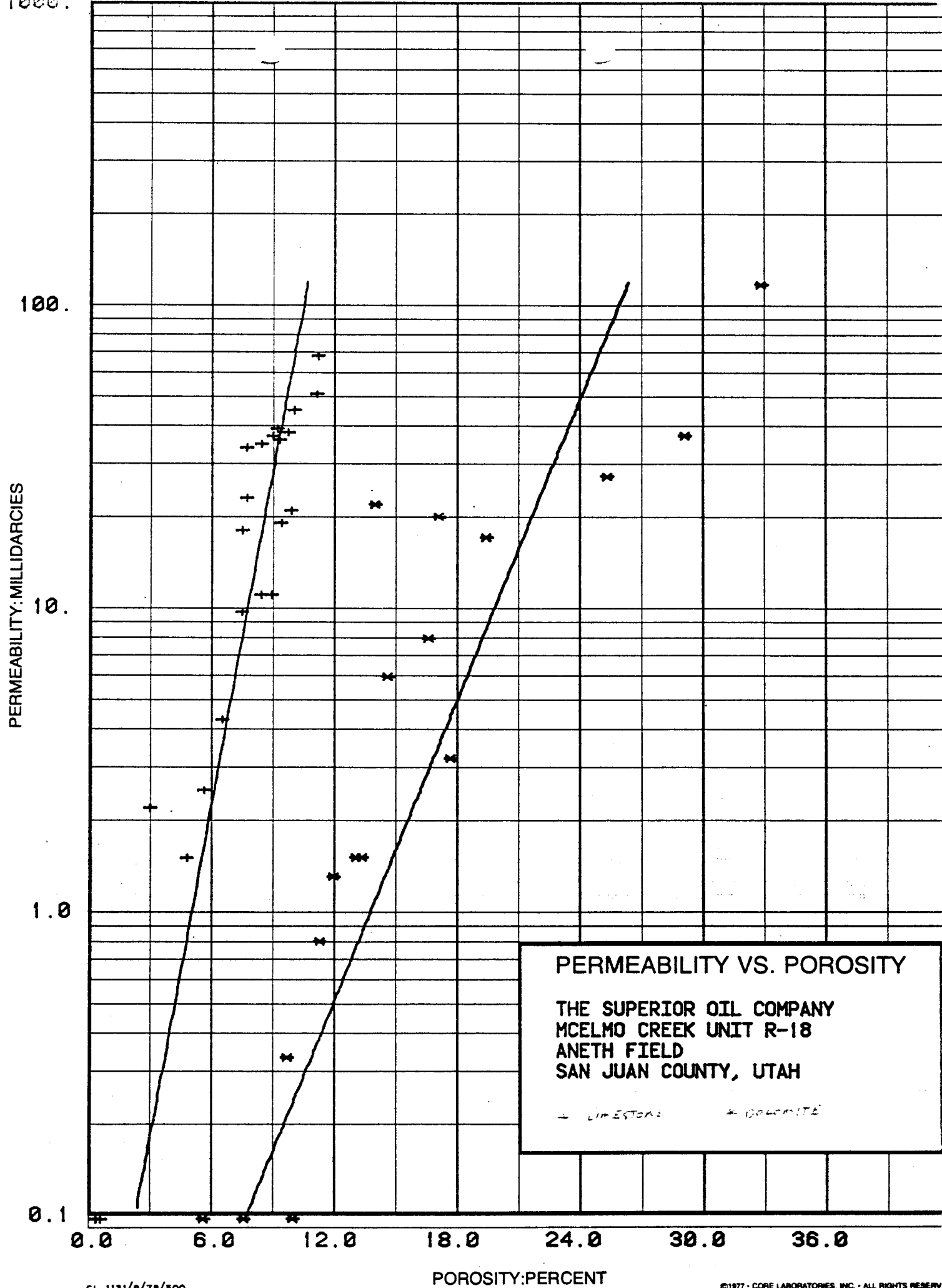
DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY		POROSITY		POROSITY AVERAGE	PERMEABILITY AVERAGES		
		MINIMUM	MAXIMUM	MIN.	MAX.		ARITHMETIC	HARMONIC	GEOMETRIC
5368.0 - 5391.0	1 (+)	0.000	118.0	0.3	32.9	7.2	22.	0.07	6.2
5391.0 - 5408.0	2 (*)	0.000	118.0	0.3	32.9	15.8	15.	0.08	2.1

EQUATION OF REDUCED LINE RELATING PERMEABILITY(K) TO POROSITY :
 $\text{LOG}(K) = (\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT}$
 $K = \text{ANTILOG}((\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT})$

RANGE	EQUATION OF THE LINE		
1	PERM = ANTILOG((0.3687)(POROSITY) +	-1.8704)
2	PERM = ANTILOG((0.1658)(POROSITY) +	-2.2995)

(+) LIMESTONE

(*) DOLOMITIC



STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: THE SUPERIOR OIL COMPANY
FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD. (HORIZONTAL) RANGE USED 0.000 TO 118.
POROSITY : PERCENT (HELIUM) RANGE USED 0.3 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS : 5368.0 - 5408.0 INTERVAL LENGTH : 40.0
FEET ANALYZED IN ZONE : 40.0 LITHOLOGY EXCLUDED : NONE

DATA SUMMARY

POROSITY AVERAGE	PERMEABILITY AVERAGES		
	ARITHMETIC	HARMONIC	GEOMETRIC
10.9	19.	0.07	3.9

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: THE SUPERIOR OIL COMPANY
FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
COUNTY, STATE: SAN JUAN COUNTY, UTAH

GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.0 - 2.0	3.0	0.5	0.009	0.009	7.5	7.5
2.0 - 4.0	1.0	3.0	2.2	2.2	2.5	10.0
4.0 - 6.0	3.0	5.3	0.422	1.3	7.5	17.5
6.0 - 8.0	6.0	7.4	4.8	15.	15.0	32.5
8.0 - 10.0	10.0	9.2	16.	25.	25.0	57.5
10.0 - 12.0	5.0	10.7	4.1	33.	12.5	70.0
12.0 - 14.0	3.0	12.8	1.4	1.4	7.5	77.5
14.0 - 16.0	2.0	14.3	11.	14.	5.0	82.5
16.0 - 18.0	3.0	17.1	8.0	10.	7.5	90.0
18.0 - 20.0	1.0	19.4	17.	17.	2.5	92.5
24.0 - 26.0	1.0	25.3	27.	27.	2.5	95.0
28.0 - 30.0	1.0	29.1	37.	37.	2.5	97.5
32.0 - 34.0	1.0	32.8	117.	117.	2.5	100.0

TOTAL NUMBER OF FEET = 40.0

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE 3

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: THE SUPERIOR OIL COMPANY
FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
COUNTY, STATE: SAN JUAN COUNTY, UTAH

GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.005 - 0.010	4.0	0.009	0.009	2.8	10.0	10.0
0.020 - 0.039	2.0	0.020	0.020	6.6	5.0	15.0
0.312 - 0.625	1.0	0.330	0.330	9.7	2.5	17.5
0.625 - 1.250	1.0	0.800	0.800	11.3	2.5	20.0
1.250 - 2.500	5.0	1.6	1.6	9.3	12.5	32.5
2.500 - 5.000	3.0	3.3	3.3	9.9	7.5	40.0
5.- 10.	3.0	7.7	7.8	12.9	7.5	47.5
10.- 20.	5.0	15.	15.	10.7	12.5	60.0
20.- 40.	12.0	30.	31.	13.0	30.0	90.0
40.- 80.	3.0	54.	55.	10.8	7.5	97.5
80.- 160.	1.0	117.	117.	32.8	2.5	100.0

TOTAL NUMBER OF FEET = 40.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: THE SUPERIOR OIL COMPANY
 FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
 COUNTY, STATE: SAN JUAN COUNTY, UTAH

POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

POROSITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	ARITH MEAN	MEDIAN
0.0	0.0	0.0	40.0	100.0	10.9	9.4
2.0	3.0	0.3	37.0	99.7	11.7	9.7
4.0	4.0	1.0	36.0	99.0	12.0	9.8
6.0	7.0	4.7	33.0	95.3	12.6	10.2
8.0	13.0	14.9	27.0	85.1	13.7	11.4
10.0	23.0	36.0	17.0	64.0	16.4	14.5
12.0	28.0	48.3	12.0	51.7	18.8	16.7
14.0	31.0	57.2	9.0	42.8	20.7	17.7
16.0	33.0	63.7	7.0	36.3	22.6	19.0
18.0	36.0	75.5	4.0	24.5	26.7	26.0
20.0	37.0	80.0	3.0	20.0	29.1	29.0
22.0	37.0	80.0	3.0	20.0	29.1	29.0
24.0	37.0	80.0	3.0	20.0	29.1	29.0
26.0	38.0	85.8	2.0	14.2	31.0	30.0
28.0	38.0	85.8	2.0	14.2	31.0	30.0
30.0	39.0	92.5	1.0	7.5	32.8	
32.0	39.0	92.5	1.0	7.5	32.8	
34.0	40.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 435.5

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

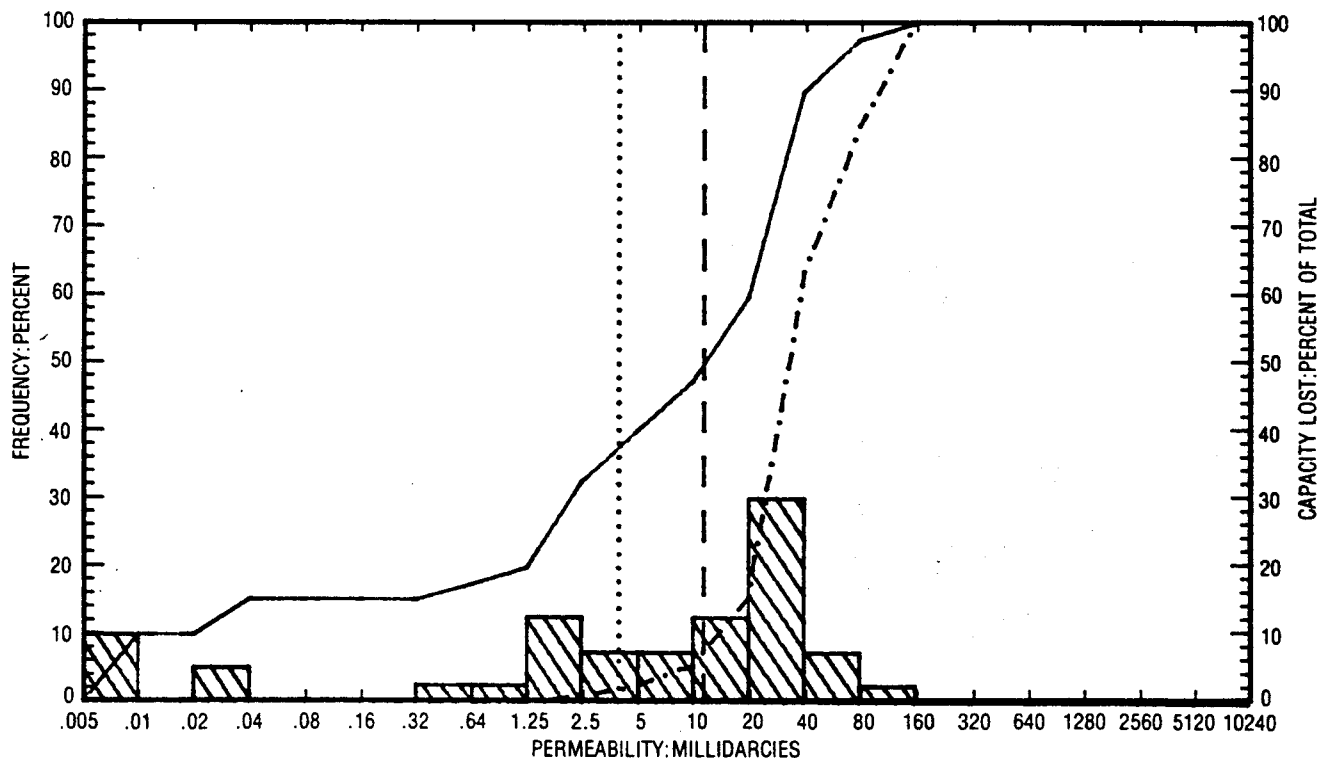
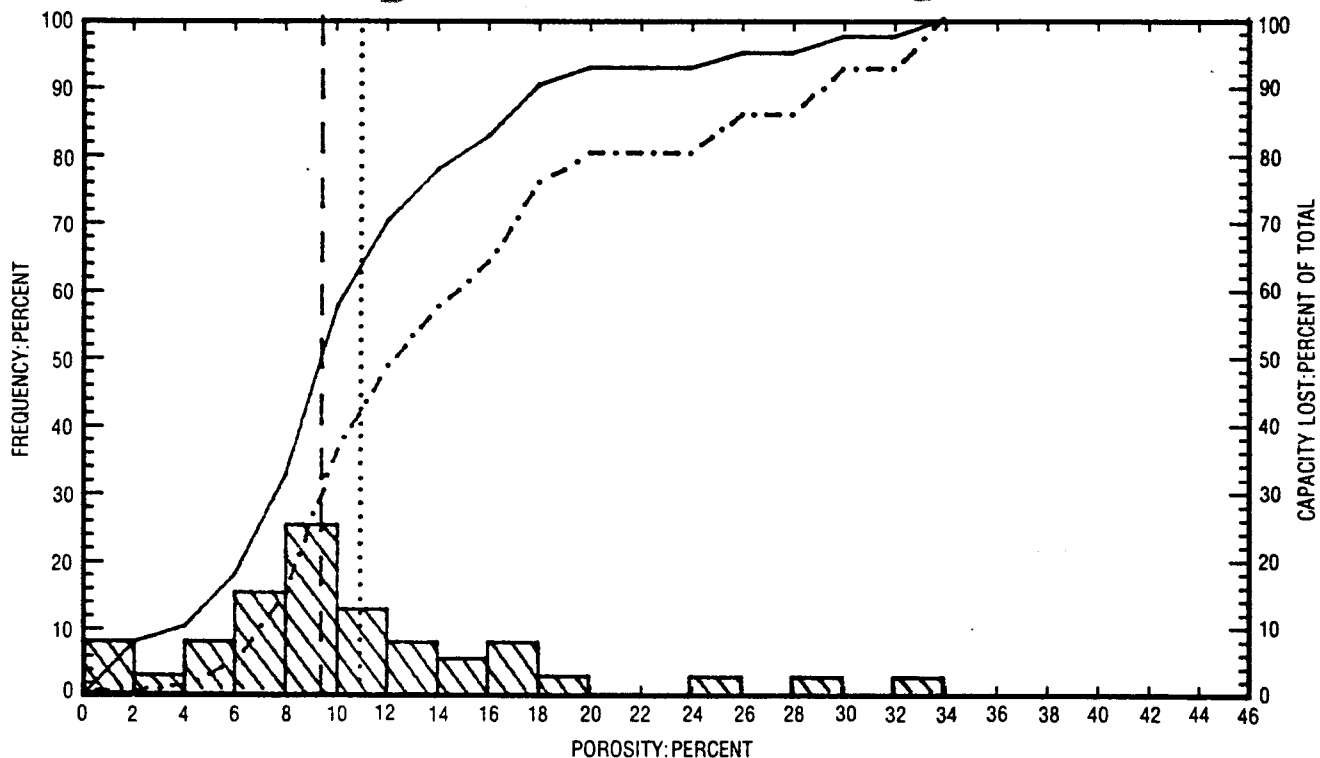
COMPANY: THE SUPERIOR OIL COMPANY
FIELD : ANETH FIELD

WELL : MCELMO CREEK UNIT R-18
COUNTY, STATE: SAN JUAN COUNTY, UTAH

MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PERMEABILITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
0.005	0.0	0.0	40.0	100.0	3.94	11.49
0.010	4.0	0.0	36.0	100.0	7.75	15.16
0.020	4.0	0.0	36.0	100.0	7.75	15.16
0.039	6.0	0.0	34.0	100.0	11.00	17.41
0.078	6.0	0.0	34.0	100.0	11.00	17.41
0.156	6.0	0.0	34.0	100.0	11.00	17.41
0.312	6.0	0.0	34.0	100.0	11.00	17.41
0.625	7.0	0.1	33.0	99.9	12.23	18.66
1.250	8.0	0.2	32.0	99.8	13.32	20.00
2.500	13.0	1.2	27.0	98.8	19.78	23.11
5.	16.0	2.5	24.0	97.5	24.79	25.20
10.	19.0	5.6	21.0	94.4	29.31	27.48
20.	24.0	15.4	16.0	84.6	36.30	
40.	36.0	63.4	4.0	36.6	65.37	
80.	39.0	84.8	1.0	15.2	117.00	
160.	40.0	100.0	0.0	0.0		

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET (ARITHMETIC) = 768.71



PERMEABILITY AND POROSITY HISTOGRAMS

THE SUPERIOR OIL COMPANY
MCELMO CREEK UNIT R-18
ANETH FIELD
SAN JUAN COUNTY, UTAH

LEGEND
 ARITHMETIC MEAN POROSITY
 GEOMETRIC MEAN PERMEABILITY
 MEDIAN VALUE - - - - -
 CUMULATIVE FREQUENCY _____
 CUMULATIVE CAPACITY LOST - . - . - .



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY THE SUPERIOR OIL COMPANY FILE NO. 3003-3382
 WELL MCCLMO CREEK UNIT R-18 DATE 01-NOV-83 ENGRS. GG:DS
 FIELD ANETH FORMATION LOWER ISMAY ELEV. 4050 KB
 COUNTY SAN JUAN STATE UTAH DRLG. FLD. WBM CORES. _____

CoRes Log

CORE and RESISTIVITY EVALUATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted) but Core Laboratories, Inc. and its officers and employees assume no responsibility and make no warranty or representations as to the productivity, proven operation or performance of any oil, gas or other minerals well or sand in connection with which such report is used or relied upon.

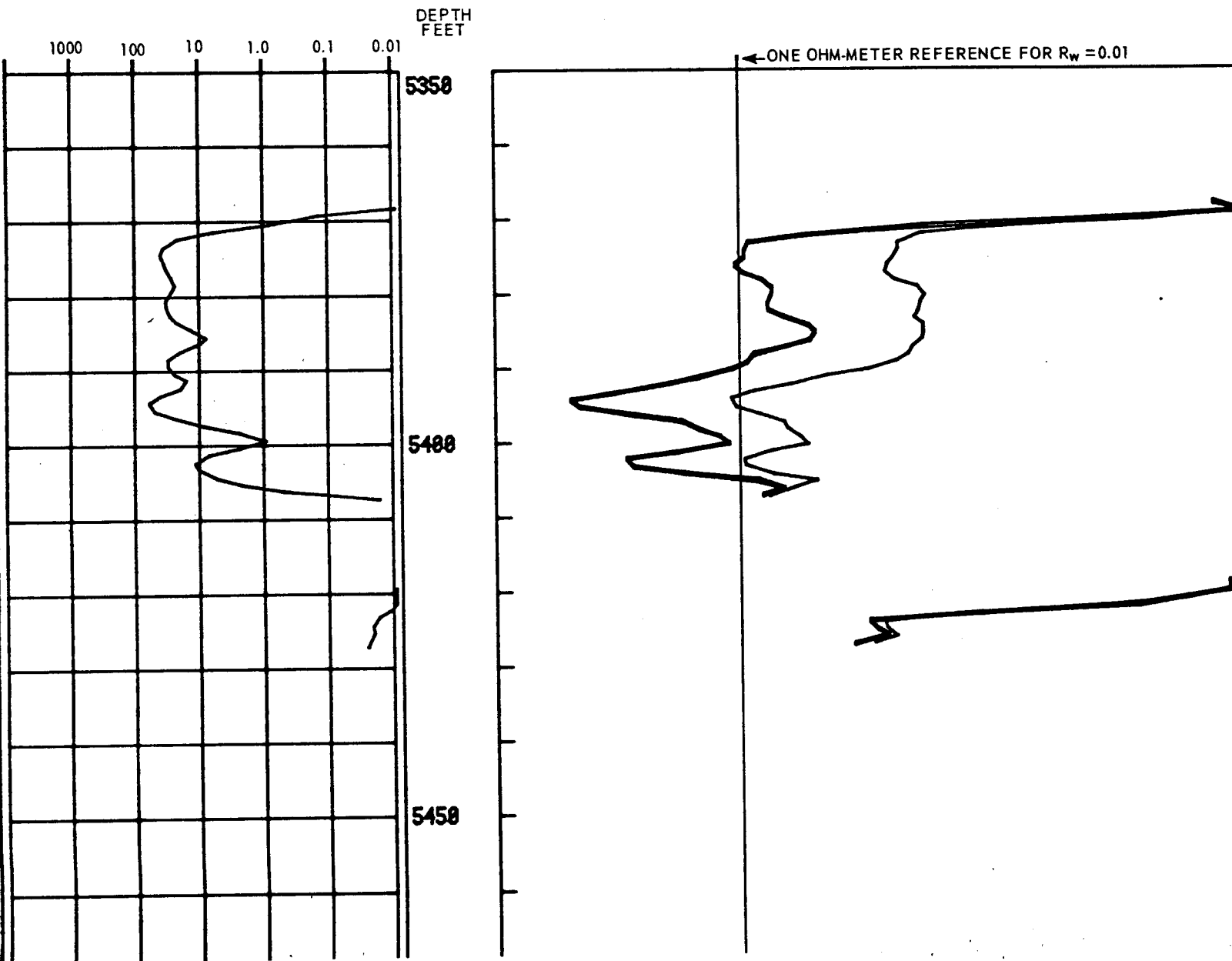
RESISTIVITY PARAMETERS: $a = 1.00$ $m = 2.00$ $n = 2.00$. Depths 5300.0 to 5420.0
 $a =$ _____ $m =$ _____ $n =$ _____ . Depths _____ to _____

PERMEABILITY
MILLIDARCIES

CORE ANALYSIS CALCULATED RESISTIVITY

R_o = OHM-METERS AT 100% S_w _____

R_{mp} = OHM-METERS AT CRITICAL S_w _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER G, CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1808' FNL, 513' FWL, Sec. 9 SWNW

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DIVISION OF
GAS & MINING

15. DATE SPUDDED 10/15/83 16. DATE T.D. REACHED 11/3/83 17. DATE COMPL. (Ready to prod.) 12/9/83 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4637' GR 19. ELEV. CASINGHEAD 4638'

20. TOTAL DEPTH, MD & TVD 5642' 21. PLUG, BACK T.D., MD & TVD 5500' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS ROTARY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NONE

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

(1) DIL-SFL-SP-GR (2) CNL-FDC-NGT-GR (3) EPT-GR

27. WAS WELL CORED
YES

29.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	111'	17-1/2"	171 cu ft Class B w/2% CaCl	
9-5/8"	47	1367'	12-1/4"	715 cu ft Lite w/6% Gel and 5#/sx Hi Seal + 177 cu ft Class B w/2% CaCl	
7"	20 & 26	5642'	8-1/2"	588 cu ft Class B + 5#/sx NaCl + 8% FR-4 +	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3-1/2"	5495'	

31. PERFORATION RECORD (Interval, size and number)

5370-84'/2 JSPF (27 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5370-84'	250 gals 28% HCl
5370-84'	55 sxs Class B cmt + .6% Halide 9 + 10% NaCl

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
NA							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW...TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Sqz'd thru cement retainer. Drilled out. Producing from Desert Creek Zone I.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James S. Andres

TITLE

Petroleum Engineer

DATE

Dec. 19, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 36.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES. SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
LOWER ISMAY	5360'	5405'	LIMESTONE & DOLOMITE	DAKOTA	SURFACE
LOWER ISMAY	5368'	5427'	CORED INTERVAL: LIMESTONE, DOLOMITE & SHALE WATER & TRACE OF OIL	NAVAJO	680'
DESERT CREEK	5417'	5593'	LIMESTONE, DOLOMITE & ANHYDRITE	CHINLE DECHELLY ORGAN ROCK HERMOSA ISMAY LOWER ISMAY GOTHIC DESERT CREEK CHIMNEY ROCK	1317' 2482' 2666' 4450' 5272' 5360' 5405' 5417' 5593'

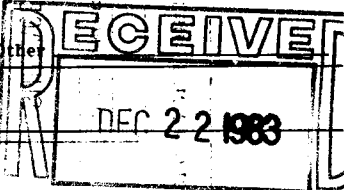
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other
instructions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>
b. TYPE OF COMPLETION:	NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>
2. NAME OF OPERATOR	SUPERIOR OIL COMPANY
3. ADDRESS OF OPERATOR	P. O. DRAWER G, CORTEZ, COLORADO 81321
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)	At surface 1808' FNL, 513' FWL, Sec. 9 SWNW
At top prod. interval reported below	same
At total depth	same



5. LEASE DESIGNATION AND SERIAL NO.	14-20-603-359
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	NAVAJO
7. UNIT AGREEMENT NAME	MCELMO CREEK UNIT
FARM OR LEASE NAME	
8. WELL NO.	#R-18
9. FIELD AND POOL, OR WILDCAT	GREATER ANETH
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	Sec. 9, T41S, R25E, SLM

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE		
43-032-30778		SAN JUAN	UTAH		
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD	
10-15-83	11-3-83	12-9-83	4637' GR	4638'	
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5642'	5500'			Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	25. WAS DIRECTIONAL SURVEY MADE.				
DESERT CREEK I (5425'-5482' O/A)	NO				
26. TYPE ELECTRIC AND OTHER LOGS RUN	27. WAS WELL CORED				
(1) DIL-SFL-SP-GR (2) CNL-FDC-NGT-GR (3) EPT-GR	YES				

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	111'	17-1/2"	171 cu ft Class B w/2% CaCl	
9-5/8"	47	1367'	12-1/4"	715 cu ft Lite w/6% Gel and 5#/sx	
7"	20 & 26	5642'	8-1/2"	Hi Seal + 177 cu ft Class B w/2% CaCl	
				588 cu ft Class B + 5#/sx NaCl + 8% FR-4	

29. LINER RECORD				30. TUBING RECORD + .3% CF 10 + .2% AFHD.			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3-1/2"	5495'	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5425-36'; 5455-66'; 5468-82'; 5512-27'; 5568-74'; 5583-90'; 1 JSPF (74 holes)	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	5512-90' O/A	3000 gals 28% HCl
	5512-90' O/A	85 sx Class B cmt.
	5455-82' O/A	3000 gals 28% HCl
	5425-36'	1000 gals 28% HCl

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/12/83		PUMPING LUFKIN 912				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/14/83	24			188	221	194	1175
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
100#							

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
SOLD	MICKEY MILLER

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED James S. Andres TITLE Petroleum Engineer DATE December 19, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TRUE VERT. DEPTH
LOWER ISMAY	5360'	5405'	LIMESTONE & DOLOMITE	DAKOTA	SURFACE
LOWER ISMAY	5368'	5427'	CORED INTERVAL: LIMESTONE, DOLOMITE & SHALE WATER & TRACE OF OIL	NAVAJO	680'
DESERT CREEK	5417'	5593'	LIMESTONE, DOLOMITE & ANHYDRITE	CHINLE. DECHELLY ORGAN ROCK HERMOSA ISMAY LOWER ISMAY GOTHIC DESERT CREEK CHIMNEY ROCK	1317' 2482' 2666' 4450' 5272' 5360' 5405' 5417' 5593'

orig file
cc R. Firth

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217

January 14, 1985

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

FEB 01

Attention: Ms. Dianne Nielson, Director

DIVISION OF OIL
& GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

As a result of the merger which became effective on September 28, 1984, The Superior Oil Companies ("Superior") is now a wholly owned subsidiary of Mobil Corporation.

Effective January 1, 1985, Mobil Oil Corporation began acting on behalf of The Superior Oil Companies as service contractor, for the purpose of performing comprehensive business management and related administrative services. To this end, Superior has entered into a Services Agreement with Mobil and has issued Powers of Attorney to certain Mobil employees, whereby Mobil has agreed to perform all of Superior's obligations and duties, and shall be entitled to enforce all of Superior's rights and privileges, including but not limited to all applicable Operating Agreements and leases (see attached). This shall include, without limitation, the making and receiving of payments, the giving and receiving of notices and other information, and the performance of all other related functions. Therefore, after December 31, 1984, notices to Superior or relative to its interests, assets or obligations should designate Mobil and be mailed to:

PERMITS ONLY

Mobil Oil Corporation
P.O. Box 5444
Denver, Colorado 80217-5444
Attention: R. D. Baker (303) 298-2577
RON

Enclosed is a list of all Superior wells. This list includes the well names, locations, API numbers and producing zone (if applicable).

We appreciate your consideration and cooperation. If you have any questions, please direct them to the undersigned.

Very truly yours,

R. D. Baker

R. D. Baker
Environmental & Regulatory Manager - West

Enclosure

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NAME OF OPERATOR SUPERIOR OIL COMPANY	
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, COLORADO 81321	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1808' FNL, 513' FWL of Section 9	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) KB: 4650' GL: 4637'

5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-359	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO	
7. UNIT AGREEMENT NAME McELMO CREEK UNIT	
8. FARM OR LEASE NAME	
9. WELL NO. R-18	
10. FIELD AND POOL, OR WILDCAT GREATER ANETH	
11. SEC., T., R., N., OR BLK. AND SUBVY OR AREA SEC. 9, T41S, R25E, SLM	
12. COUNTY OR PARISH SAN JUAN	13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

04-16-85: MIRU. POOH w/ rods. Attempted to fish parted pump.
04-17-85: POOH w/ tbg. RIH w/ straddle packers.
04-18-85: Treated all perforations w/ 2000 gals 28 % HCl in three stages. Pumped acid @ 1 BPM, no pressure. Swabbed three hrs recovering 20 bbls acid water.
04-19-85: Swabbed three hrs recovering 10 bbls acid water.
04-20-85: Shut down.
04-21-85: Shut down.
04-22-85: Continued to run production equipment. Returned to production.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Staff Op. Engineer

DATE 7-01-85

D. C. Collins

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

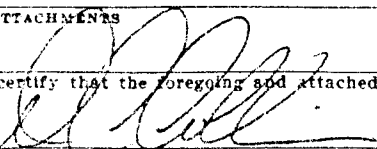
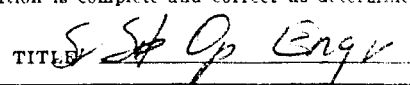
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other li-
stitutions of
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-359	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Superior Oil Company/Mobil as Agent		7. UNIT AGREEMENT NAME McElmo Creek Unit	
3. ADDRESS OF OPERATOR P.O. Drawer G, Cortez CO 81321		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)* At surface 1808' FNL, 513' FWL, Sec 9 At top prod. interval reported below Same At total depth Same		9. WELL NO. R-18	
10. FIELD AND POOL, OR WILDCAT Greater Aneth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 9, T41S, R25E, SLM	
14. PERMIT NO. 43-037-30778		DATE ISSUED 4-15-82	
15. DATE SPUDDED 10/15/83		16. DATE T.D. REACHED 11/3/83	
17. DATE COMPL. (Ready to prod.) 7/15/85		18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 4650' KB, 4637' GL	
19. ELEV. CASINGHEAD 4638		12. COUNTY OR PARISH San Juan	
13. STATE Utah		20. TOTAL DEPTH, MD & TVD 5642	
21. PLUG. BACK T.D., MD & TVD 5550'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5425/5490' Desert Creek Zone I 5512/5527' Desert Creek Zone II	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN (1) DEL-SFL-SP-GR (2) CNL-FDC-NGT-GR (3) EPT-GR	
27. WAS WELL CORED Yes		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
13-3/8"		54.5	
9-5/8"		47	
7"		20+26#	
DEPTH SET (MD)		HOLE SIZE	
111		17-1/2"	
1367		12-1/4"	
5642		8-1/2"	
CEMENTING RECORD		AMOUNT PULLED	
171 cu ft.			
892 cu ft.			
588 cu ft.			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
2-1/2"		DEPTH SET (MD)	
5484'		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5425-36', 5455-66', 5468-82'		DEPTH INTERVAL (MD)	
5486-90' 1 JPF DC Zone I		AMOUNT AND KIND OF MATERIAL USED	
5512-27' 2 JPF DC Zone II		5425-5490 1000 gal 28% HCl	
		5512-27 4000 gal 28% HCl	
33. PRODUCTION		DATE FIRST PRODUCTION	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
TEST WITNESSED BY		35. LIST OF ATTACHMENTS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		SIGNED 	
TITLE 		DATE 8.2.85	

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY / MOBIL AS AGENT

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1808' FNL, 513' FWL, Section 9

RECEIVED

AUG 09 1985

DIVISION OF OIL
GAS & MINING

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
KB: 4650' GL 4637'

12. COUNTY OR PARISH 13. STATE
SAN JUAN UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☒
SHOOTING OR ACIDIZING ☒ ABANDONMENT* ☐
(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

06-26-85: MIRU. POOH w/ rods and pump.
06-27-85: NU BOP's. POOH w/ tbg. RIH w/ bit and scraper to cement retainer @ 5500'.
07-28-85: Attempted to drill out retainer w/ nitrogen foam. Could not circulate. POOH w/ tbg.
06-29-85: Knocked out retainer w/ sandline drill.
06-30-85: SD for Sunday
07-01-85: Sandline parted. RIH w/ fishing tool.
07-02-85: POOH w/ sandline fish. Finished CO w/ sandline drill.
07-03-85: RIH w/ bit and scraper. Drilled out 50' cement. POOH.
07/04-7/85: Shut down for Holiday.
07-08-85: Perfed DC Zone II 5512-27 w/ 2 JSPF. RIH w/ RBP and packer. Acidized DC Zone II w/ 2000 gal 28% HCl. Moved tools. Acidized DC Zone I w/ 1000 gals 28% HCl. Swabbed DC Zone I. Recovered 21 bbls load.
07-09-85: Swabbed. Recovered 100 bbls load.
07-10-85: Swabbed 1 hr. Reset pkr above all perfs. Swabbed 8 hrs, rec. 105 bbls, 1 % oil.
07-11-85: POOH w/ BP, pkr and tbg. Found split tbg. RIH w/ pkr and tbg. Set pkr @ 5504. Tested tbg to 2000 pis. Started acid job. Split tbg again. POOH.
07-12-85: Tested tbg in hole. Set pkr @ 5504. Acidized Zone II w/ 2000 gals 28 % HCl.
07-13-85: Swabbed 10 hrs, recovered 118 bbls, 20 % oil.
07-14-85: SD for Sunday.
07-15-85: Swabbed 3 hrs, rec. 28 bbls. POOH w/ tbg & pkr. RIH w/ prod. equip. ON PRODUCTION.

18. I hereby certify that the foregoing is true and correct

SIGNED D. C. Collins
(This space for Federal or State office use)

TITLE Sr. Staff Op. Engineer

DATE 8-05-85

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
 FOR THE CORTEZ SUPERVISOR AREA
 FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	S T A P I N U M B E R	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	F-23	SAN JUAN	UT	NW	SE	17-41S-25E	INJ	OP	43-037-16370	14-20-603-263	96-004190
	Q-09	SAN JUAN	UT	NE	NE	32-40S-25E	PROD	OP	43-037-31013	14-20-603-372	96-004190
	Q-10	SAN JUAN	UT	SE	NE	32-40S-25E	PROD	OP	43-037-15973	14-20-603-372	96-004190
	Q-11	SAN JUAN	UT	NE	SE	32-40S-25E	PROD	OP	43-037-30282	14-20-603-372	96-004190
	Q-12	SAN JUAN	UT	SE	SE	32-40S-25E	INJ	OP	43-037-05720	14-20-603-372	96-004190
	Q-13	SAN JUAN	UT	NE	NE	05-41S-25E	PROD	OP	43-037-30288	14-20-603-372	96-004190
	Q-14	SAN JUAN	UT	SE	NE	05-41S-25E	INJ	OP	43-037-15974	14-20-603-372	96-004190
	Q-15	SAN JUAN	UT	NE	SE	05-41S-25E	PROD	OP	43-037-30290	14-20-603-372	96-004190
	Q-16	SAN JUAN	UT	SE	SE	05-41S-25E	INJ	OP	43-037-15975	14-20-603-372	96-004190
	Q-17	SAN JUAN	UT	NE	NE	08-41S-25E	PROD	OP	43-037-30271	14-20-603-263	96-004190
	Q-18	SAN JUAN	UT	SE	NE	08-41S-25E	PROD	OP	43-037-15521	14-20-603-263	96-004190
	Q-19	SAN JUAN	UT	NE	SE	08-41S-25E	PROD	OP	43-037-30652	14-20-603-263	96-004190
	Q-20	SAN JUAN	UT	SE	SE	08-41S-25E	PROD	OP	43-037-15522	14-20-603-263	96-004190
	Q-21	SAN JUAN	UT	NE	NE	17-41S-25E	PROD	OP	43-037-30463	14-20-603-263	96-004190
	Q-22	SAN JUAN	UT	SE	NE	17-41S-25E	PROD	OP	43-037-15523	14-20-603-263	96-004190
	Q-23	SAN JUAN	UT	SE	SE	17-4S-25E	PROD	OP	43-037-31124		
	R-06	SAN JUAN	UT	SW	NW	28-40S-25E	WSW	SI	43-037-05843	14-20-603-2048-A	96-004190
	R-08	SAN JUAN	UT	SW	SW	28-40S-25E	PROD	OP	43-037-15329	14-20-603-2048-A	96-004190
	R-09	SAN JUAN	UT	NW	NW	33-40S-25E	PROD	OP	43-037-16147	14-20-603-2057	96-004190
	R-10	SAN JUAN	UT	SW	NW	33-40S-25E	PROD	OP	43-037-31121	14-20-603-2057	96-004190
	R-11	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	SI	43-037-05741	14-20-603-2057	96-004190
	R-11A	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	OP	43-037-30179	14-20-603-2057	96-004190
	R-12	SAN JUAN	UT	SW	SW	33-40S-25E	PROD	OP	43-037-30651	14-20-603-2057	96-004190
	R-13	SAN JUAN	UT	NW	NW	04-41S-25E	INJ	OP	43-037-05709	14-20-603-2057	96-004190
	R-14	SAN JUAN	UT	SW	NW	04-41S-25E	PROD	OP	43-037-30202	14-20-603-2057	96-004190
	R-16	SAN JUAN	UT	SW	SW	04-41S-25E	PROD	OP	43-037-30272	14-20-603-2057	96-004190
	R-17	SAN JUAN	UT	NW	NW	09-41S-25E	INJ	OP	43-037-05602	14-20-603-359	96-004190
	R-18	SAN JUAN	UT	SW	NW	09-41S-25E	PROD	OP	43-037-30778	14-20-603-359	96-004190
	R-19	SAN JUAN	UT	NW	SW	09-41S-25E	INJ	OP	43-037-05554	14-20-603-359	96-004190
	R-20	SAN JUAN	UT	SW	SW	09-41S-25E	PROD	OP	43-037-30462	14-20-603-359	96-004190

03

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR mobil oil LEASE _____

WELL NO. M/E Crk L. R-18 API 43-037-30778

SEC. 9 T. 41S R. 25E CONTRACTOR _____

COUNTY S/T FIELD B/A

DRILLING/COMPLETION/WORKOVER:

☐ APD ☐ WELL SIGN ☐ HOUSEKEEPING ☐ BOPE
☐ SAFETY ☐ POLL. CONTROL ☐ SURFACE USE ☐ PITS
☐ OPERATIONS ☐ OTHER

SHUT-IN _____ / TA _____ :
☐ WELL SIGN ☐ HOUSEKEEPING ☐ EQUIPMENT* ☐ SAFETY
☐ OTHER

ABANDONED:
☐ MARKER ☐ HOUSEKEEPING ☐ REHAB. ☐ OTHER

PRODUCTION:
☒ WELL SIGN ☒ HOUSEKEEPING ☒ EQUIPMENT* ☒ FACILITIES*
☒ METERING* ☒ POLL. CONTROL ☒ PITS ☒ DISPOSAL
☒ SECURITY ☒ SAFETY ☐ OTHER

GAS DISPOSITION:
☐ VENTED/FLARED ☒ SOLD ☐ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: P/S W/H

REMARKS: POW Etec power time clock H2S

ACTION: _____

INSPECTOR: AA DATE 9/13/89

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.

SUBMIT IN TRIPLICATE

RECEIVED
APR 13 1990

1. Type of Well

Oil Gas
/x/ Well / / Well / / Other

2. Name of Operator
MOBIL OIL CORPORATION

DIVISION OF
OIL, GAS & MINING

3. Address and Telephone No.
P. O. Drawer G, Cortez, Co. 81321 303-565-2200

4. Location or Well (Footage, Sec., T., R., M.
or Survey Description
1808' FNL, 513' NWL SW NW Sec 9 T41S R25 E

Form Approved
Budget No. 1004-0135
Expires September 30, 1990

5. Lease Designation and Serial No.
14-20-603-359

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation
McElmo Creek Unit

8. Well Name and No.
R-18

9. API Well No.
43-037-30778

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

OIL AND GAS	
DRN	RIF
JRB	GLH
DTS	SLS

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

/ / Notice of Intent

/ / Abandonment

/x/ Recompletion

/ / Plugging Back

/x/ Subsequent Report

/ / Casing Repair

/ / Altering Casing

/ / Final Abandonment Notice

/ / Other

/ / Change of Plans

/ / New Construction

/ / Non-Routine Fracturing

/ / Water Shut-Off

/ / Conversion to Injection

3	8. MICROFILM
1	3. FILE

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As per verbal notification to Steven Mason, a two foot interval from 5392'-5394' was perforated with 23 gram charges, 4 jets per foot, 90 degree phasing. The interval was swab tested two days, 100% water. Set RBP at 5406' and tested to 1000 psi, no leak-off in 15 min. RIH and set squeeze packer at 5400'. Tested RBP, packer, and tubing to 4000 psi, no leak-off in 15 min. Spotted 75 sacks class G cement with 2% Calcium Chloride across 5392'-5394'. Squeezed perfs at 3800 psi, displaced 1.5 bbls into formation. Drilled out cement to RBP, pressure tested squeeze to 2200 psi for 30 minutes, no leak-off. Perforated 5440'-5444' and 5490'-5494' with 23 gram charges, 4 jets per foot, 90 degree phasing. Acidized all perfs, old and new with 6000 gallons 15% HCL and Halliburton SWIC additives. Use Pin-Point Injection Packer with 10 foot spacing for mechanical diversion. Maximum treating pressure was 3800 psi and max rate was 1.5 bbl/min. 30 minutes shut-in pressure = 0 psi. Returned well to production.

and correct

Title Sr. Staff Environmental Engineer Date 4/10/90

Title Date

For any person knowingly and willfully to make to any department

within its jurisdiction.

Well is producing
only from the
Desert Creek
formation.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
☒ Well ☐ Well ☐ Other

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No.
P. O. Drawer G, Cortez, Co. 81321 303-565-2200

4. Location or Well (Footage, Sec., T., R., M.
or Survey Description
1808' FNL, 513' NWL SW NW Sec 9 T41S R25 E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☒ Recompletion

☐ Plugging Back

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☐ Other

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☐ Water Shut-Off

☐ Conversion to Injection

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14. I hereby certify that the foregoing is true and correct

Signed Clyde J. Baully Title Sr. Staff Environmental Engineer Date 4/10/90
C. J. Baully

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: _____

Title 18 U.S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form Approved
Budget No. 1004-0135
Expires September 30, 1990

5. Lease Designation and Serial No.
14-20-603-359

6. If Indian, Allottee or Tribe Name
Navajo Tribal

If Unit or CA, Agreement Designation
McElmo Creek Unit

8. Well Name and No.
R-18

9. API Well No.
43-037-30778

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

OIL AND GAS

DRN

RIF

JRB

GLH

DTS

SLS

TAS
MICROFILM
FILE

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____
 (Location) Sec _____ Twp _____ Rng _____
 (API No.) _____

☐ **Suspense**
 (Return Date) _____
 (To - Initials) _____

☒ **Other**
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. () _____
 of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____
OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.
*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 11 of 22

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MCELMO CR R-12								
4303730651	05980	40S 25E 33	DSCR					
MCELMO CREEK Q-19								
4303730652	05980	41S 25E 8	IS-DC					
MCELMO CR V-14								
4303730653	05980	41S 25E 3	DSCR					
MCELMO CR T-16								
4303730654	05980	41S 25E 4	DSCR					
MCELMO CR N-22								
4303730661	05980	41S 25E 17	DSCR					
MCELMO CR O-21								
4303730662	05980	41S 25E 17	DSCR					
MCELMO CR R-18								
4303730778	05980	41S 25E 9	DSCR					
MCELMO CR S-17								
4303730779	05980	41S 25E 9	DSCR					
MCELMO CR S-19								
4303730780	05980	41S 25E 9	DSCR					
MCELMO CR T-18								
4303730781	05980	41S 25E 9	DSCR					
MCELMO CR U-17								
4303730782	05980	41S 25E 9	DSCR					
MCELMO CREEK UNIT G-24								
4303731008	05980	41S 24E 13	DSCR					
MCELMO CREEK UNIT J-16A								
4303731011	05980	41S 25E 6	DSCR					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator **XXX** Operator Name Change Only

Routing:	
1-LEC	7-PL
2-LWP	8-SJ
3-DEC	9-FILE
4-VLC	
5-RJP	
6-LWP	

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone **(303) 564-5212**
 account no. **N7370**

FROM (former operator) **M E P N A**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone **(303) 564-5212**
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-30778</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- wp 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A DTJ 8/5/95 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 UIC F5/Not necessary!

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

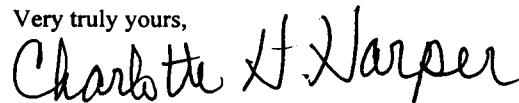
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW ✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: MCELMO CREEK

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MCELMO CR S-18	09-41S-25E	43-037-15978	5980	INDIAN	OW	P
MCELMO CR U-18	09-41S-25E	43-037-15982	5980	INDIAN	OW	P
MCELMO CR R-20	09-41S-25E	43-037-30462	5980	INDIAN	OW	TA
MCELMO CR R-18	09-41S-25E	43-037-30778	5980	INDIAN	OW	P
MCELMO CR S-17	09-41S-25E	43-037-30779	5980	INDIAN	OW	P
MCELMO CR S-19	09-41S-25E	43-037-30780	5980	INDIAN	OW	P
MCELMO CR T-18	09-41S-25E	43-037-30781	5980	INDIAN	OW	P
MCELMO CR U-17	09-41S-25E	43-037-30782	5980	INDIAN	OW	S
MCELMO CR S-22	16-41S-25E	43-037-15980	5980	INDIAN	OW	P
MCELMO CR Q-22	17-41S-25E	43-037-15523	5980	INDIAN	OW	S
MCELMO CR O-22A	17-41S-25E	43-037-15970	5980	INDIAN	OW	P
MCELMO CR Q-21	17-41S-25E	43-037-30463	5980	INDIAN	OW	P
MCELMO CR P-22	17-41S-25E	43-037-30506	5980	INDIAN	OW	P
MCELMO CREEK N-22	17-41S-25E	43-037-30661	5980	INDIAN	OW	P
MCELMO CR O-21	17-41S-25E	43-037-30662	5980	INDIAN	OW	P
MCELMO CREEK UNIT O-23	17-41S-25E	43-037-31123	5980	INDIAN	OW	P
MCELMO CREEK UNIT Q-23	17-41S-25E	43-037-31124	5980	INDIAN	OW	P
MCELMO CR J-23	18-41S-25E	43-037-15500	5980	INDIAN	OW	P
MCELMO CR M-22	18-41S-25E	43-037-15512	5980	INDIAN	OW	P
MCELMO CR M-24	18-41S-25E	43-037-15513	5980	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: BIA-06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")**

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/25/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/25/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~XXXXXXXXXXXX~~
 Navajo Area Office
 NAVAJO REGION

 P.O. Box 1060
 Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
 Exxon Mobil Production Company
 U. S. West
 P. O. Box 4358
 Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
 Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>BSM</i>
NATV AMIN COORD	
SOLID MIN TEAM	
PETRO MIN TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

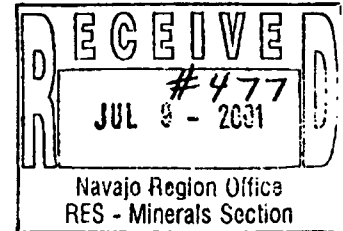
ps 7/12/01
SH
593
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

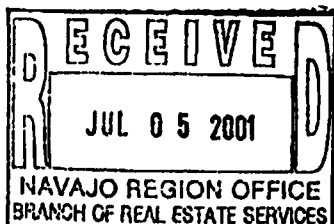
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issa

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218




Signature
AGENT AND ATTORNEY IN FACT
Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

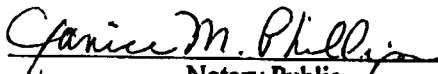
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

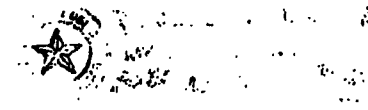
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

1000 West Loop South, Suite 1900, Houston, Texas 77027-3501
Telephone: (713) 297-4600 • Fax: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 

Mary Pierson, Attorney-in-fact



**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

**Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----**

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001

before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of the deponent's presence.



Notary Public State of New Jersey
No. 2231647

Commission Expires Oct 28, 2004

Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.


F. A. Ritch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

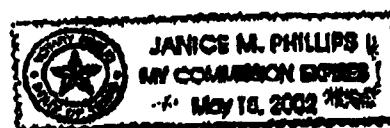
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.


F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

(SEAL)


NOTARY PUBLIC, STATE OF TEXAS



=> CSC

.TEL=5184334741

06/01'01 08:19

CSC
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:06 NO. 132 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

**STATE OF NEW YORK
DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

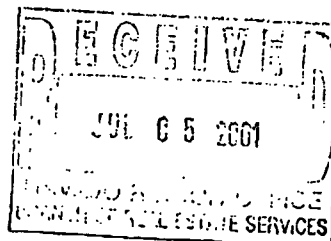
5959 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

Irving, TX 75039-2298
(City, State and Zip code)

ny Albany

Cust Reg # 165578 MPJ



010601000195

=> CSC

TEL=5184334741

06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2006

FROM: (Old Operator):

N1855-ExxonMobil Oil Corporation
PO Box 4358
Houston, TX 77210-4358
Phone: 1 (281) 654-1936

TO: (New Operator):

N2700-Resolute Natural Resources Company
1675 Broadway, Suite 1950
Denver, CO 80202
Phone: 1 (303) 534-4600

CA No.

Unit:

MC ELMO

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2)Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. **Receipt of Acceptance of Drilling Procedures** for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

McElmo Creek Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company

N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950 CITY Denver

STATE CO ZIP 80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the McElmo Creek Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the McElmo Creek Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E Mallory

TITLE

Regulatory Coordinator

SIGNATURE

DATE

4/20/2006

(This space for State use only)

APPROVED

6/22/06

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

(5/2000)

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

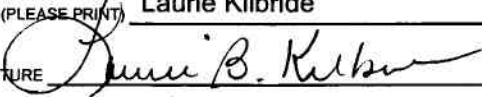
SUNDRY NOTICES AND REPORTS ON WELLS <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock 7. UNIT or CA AGREEMENT NAME: UTU68930A 8. WELL NAME and NUMBER: McElmo Creek 9. API NUMBER: attached 10. FIELD AND POOL, OR WILDCAT: Aneth
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358 PHONE NUMBER: (281) 654-1936		
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: San Juan QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		

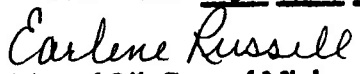
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, McElmo Creek lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE 	DATE <u>4/19/2006</u>

(This space for State use only) **APPROVED** 6/22/06

 Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician
 (5/2000) (See Instructions on Reverse Side)

RECEIVED
APR 21 2006
 DIV. OF OIL, GAS & MINING

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	H-12	43037303600S1	Producing	14-200-6036145	36	40S	24E	SWSE	0643FSL	2123FEL
MCU	I-11	430373035800S1	Producing	14-200-6036145	36	40S	24E	NESE	1975FSL	0318FEL
MCU	F-12	430373038000S1	Producing	14-200-6036146	36	40S	24E	SWSW	0585FSL	0628FWL
MCU	G-11	430373037600S1	Producing	14-200-6036146	36	40S	24E	NESW	1957FSL	1995FWL
MCU	D-16	430373038700S1	Producing	14-200-6036147	2	41S	24E	SWSE	0622FSL	1773FSL
MCU	E-15	430373038900S1	Producing	14-200-6036147	2	41S	24E	NESE	1877FSL	0575FEL
MCU	C-15	430373038400S1	Producing	14-200-6036508	2	41S	24E	NESW	1765FSL	3206FEL
MCU	C-13	430373037900S1	TA	14-200-6036509	2	41S	24E	NENW	0881FNL	3076FEL
MCU	D-14	430373038600S1	Producing	14-200-6036510	2	41S	24E	SWNE	1884FNL	1856FEL
MCU	E-13	430373038800S1	SI	14-200-6036510	2	41S	24E	NENE	0789FNL	0296FEL
MCU	U-08	430373045400S1	Producing	14-20-6032048A	28	40S	25E	SESE	0100FSL	0650FEL
MCU	R-10	430373112100S1	SI	14-20-6032057	33	40S	25E	SWNW	2326FNL	0632FWL
MCU	R-12	430373065100S1	Producing	14-20-6032057	33	40S	25E	SWSW	0692FSL	0339FWL
MCU	R-14	430373020200S1	Producing	14-20-6032057	4	41S	25E	SWNW	2030FNL	0560FWL
MCU	R-16	430373027200S1	Producing	14-20-6032057	4	41S	25E	SWSW	0656FSL	0505FWL
MCU	S-11	430373045200S1	Producing	14-20-6032057	33	40S	25E	NESW	1928FSL	1731FWL
MCU	S-13	430373045300S1	Producing	14-20-6032057	4	41S	25E	NENW	0761FNL	1837FWL
MCU	S-15	430373063200S1	Producing	14-20-6032057	4	41S	25E	NESW	1854FSL	1622FWL
MCU	T-10	430373046000S1	Producing	14-20-6032057	33	40S	25E	SWNE	1931FNL	1793FEL
MCU	T-12	430373007400S1	Producing	14-20-6032057	33	40S	25E	NWSE	1940FSL	1960FEL
MCU	T-12A	430373040100S1	Producing	14-20-6032057	33	40S	25E	SWSE	0590FSL	2007FEL
MCU	T-14	430373045900S1	Producing	14-20-6032057	4	41S	25E	SWNE	1922FNL	1903FEL
MCU	T-16	430373065400S1	Producing	14-20-6032057	4	41S	25E	SWSE	0630FSL	2030FEL
MCU	U-09	430373112200S1	Producing	14-20-6032057	33	40S	25E	NENE	1019FNL	0526FEL
MCU	U-13	430373045600S1	Producing	14-20-6032057	4	41S	25E	NENE	0700FNL	0700FEL
MCU	U-15	430373063300S1	Producing	14-20-6032057	4	41S	25E	NESE	1798FSL	0706FEL
MCU	V-14	430373065300S1	SI	14-20-6032057	3	41S	25E	SWNW	2091FNL	0322FWL
MCU	J-18	430373031800S1	Producing	14-20-603263	7	41S	25E	SWNW	1823FNL	0663FWL
MCU	J-20	430373030600S1	Producing	14-20-603263	7	41S	25E	SWSW	0819FSL	0577FWL
MCU	J-22	430373034100S1	Producing	14-20-603263	18	41S	25E	SWNW	1977FNL	0515FWL
MCU	J-23	430371550000S1	Producing	14-20-603263	18	41S	25E	NWSW	1980FSL	0575FWL
MCU	J-24	430373120500S1	Producing	14-20-603263	18	41S	25E	SWSW	0675FSL	0575FWL
MCU	K-17	430373032800S1	Producing	14-20-603263	7	41S	25E	NENW	0763FNL	1898FWL
MCU	K-19	430373032700S1	Producing	14-20-603263	7	41S	25E	NESW	1999FSL	1807FWL
MCU	K-21	430373030200S1	Producing	14-20-603263	18	41S	25E	NENW	0738FNL	1735FWL
MCU	K-23	430373033600S1	Producing	14-20-603263	18	41S	25E	NESW	1833FSL	1823FWL
MCU	L-18	430373031900S1	Producing	14-20-603263	7	41S	25E	SWNE	1950FNL	1959FEL
MCU	L-20	430373031300S1	Producing	14-20-603263	7	41S	25E	SWSE	0312FSL	1560FEL
MCU	L-22	430373034700S1	Producing	14-20-603263	18	41S	25E	NWSE	2844FSL	2140FEL
MCU	L-24	430373033900S1	SI	14-20-603263	18	41S	25E	SWSE	1980FNL	1980FEL
MCU	M-17	430373031400S1	Producing	14-20-603263	7	41S	25E	NENE	0454FNL	1031FEL
MCU	M-19	430373030700S1	Producing	14-20-603263	7	41S	25E	NESE	2012FSL	0772FEL
MCU	M-21	430373030300S1	Producing	14-20-603263	18	41S	25E	NENE	0919FNL	0463FEL
MCU	M-22	430371551200S1	Producing	14-20-603263	18	41S	25E	SENE	1720FNL	0500FEL
MCU	M-23	430373033800S1	Producing	14-20-603263	18	41S	25E	NESE	1890FSL	4214FWL
MCU	M-24	430371551300S1	Producing	14-20-603263	18	41S	25E	SESE	0500FSL	0820FEL
MCU	N-18	430373028600S1	Producing	14-20-603263	8	41S	25E	SWNW	1779FNL	0573FWL
MCU	N-20	430373026900S1	Producing	14-20-603263	8	41S	25E	SWSW	0620FSL	0634FWL
MCU	N-22	430373066100S1	SI	14-20-603263	17	41S	25E	SWNW	1763FNL	0730FWL
MCU	O-17	430373028900S1	Producing	14-20-603263	8	41S	25E	NENW	0627FNL	1855FWL
MCU	O-19	430373027000S1	Producing	14-20-603263	8	41S	25E	NESW	1932FSL	2020FWL
MCU	O-20	430371551800S1	Producing	14-20-603263	8	41S	25E	SESW	0660FSL	1980FWL
MCU	O-21	430373066200S1	Producing	14-20-603263	17	41S	25E	NENW	0796FNL	1868FWL
MCU	O-22A	430371597000S1	Producing	14-20-603263	17	41S	25E	SENW	1840FNL	1928FWL
MCU	O-23	430373112300S1	Producing	14-20-603263	17	41S	25E	NESW	2276FSL	1966FWL

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location						
					Sec	T	R	QTR/QTR	NSFoot	EWFoot	
MCU	P-18	430373026700S1	Producing	14-20-603263	8	41S	25E	SWNE	1816FNL	1855FEL	
MCU	P-22	430373050600S1	Producing	14-20-603263	17	41S	25E	SWNE	2035FNL	2135FEL	
MCU	Q-17	430373027100S1	SI	14-20-603263	8	41S	25E	NENE	0714FNL	0286FEL	
MCU	Q-18	430371552100S1	SI	14-20-603263	8	41S	25E	SENE	1980FNL	0660FEL	
MCU	Q-19	430373065200S1	SI	14-20-603263	8	41S	25E	NESE	1957FSL	0899FEL	
MCU	Q-20	430371552200S1	SI	14-20-603263	8	41S	25E	SESE	0650FSL	0740FEL	
MCU	Q-21	430373046300S1	Producing	14-20-603263	17	41S	25E	NENE	0730FNL	0780FEL	
MCU	Q-23	430373112400S1	SI	14-20-603263	17	41S	25E	NESE	2501FSL	0581FEL	
MCU	J-25	430371550100S1	SI	14-20-603264	19	41S	25E	NWNW	0750FNL	0695FWL	
MCU	K-25	430373118600S1	Producing	14-20-603264	19	41S	25E	NENW	0440FNL	1780FWL	
MCU	R-18	430373077800S1	Producing	14-20-603359	9	41S	25E	SWNW	1808FNL	0513FWL	
MCU	S-17	430373077900S1	Producing	14-20-603359	9	41S	25E	NENW	700FNL	1899FWL	
MCU	S-18	430371597800S1	Producing	14-20-603359	9	41S	25E	SENE	1943FNL	1910FWL	
MCU	S-19	430373078000S1	Producing	14-20-603359	9	41S	25E	NESW	3391FNL	2340FWL	
MCU	S-22	430371598000S1	Producing	14-20-603359	16	41S	25E	SENE	1980FNL	1980FWL	
MCU	T-18	430373078100S1	Producing	14-20-603359	9	41S	25E	SWNE	1774FNL	3499FWL	
MCU	U-17	430373078200S1	Producing	14-20-603359	9	41S	25E	NENE	0625FNL	4399FWL	
MCU	U-18	430371598200S1	Producing	14-20-603359	9	41S	25E	SENE	2048FNL	0805FEL	
MCU	F-22	430371594700S1	Producing	14-20-603370	13	41S	24E	SWNW	1800FNL	0664FWL	
MCU	G-22	430373120400S1	TA	14-20-603370	13	41S	24E	SENE	1910FNL	2051FWL	
MCU	G-24	430373100800S1	Producing	14-20-603370	13	41S	24E	SESW	0458FSL	2540FWL	
MCU	H-21	430373119200S1	Producing	14-20-603370	13	41S	24E	NWNE	0715FNL	2161FEL	
MCU	H-22	430371595000S1	Producing	14-20-603370	13	41S	24E	SWNE	1980FNL	1980FEL	
MCU	H-23	430373119300S1	Producing	14-20-603370	13	41S	24E	NWSE	2178FSL	1777FEL	
MCU	H-24	430371595100S1	TA	14-20-603370	13	41S	24E	SWSE	1820FSL	0500FEL	
MCU	H-26	430371595200S1	Producing	14-20-603370	24	41S	24E	SWNE	2053FNL	2077FEL	
MCU	I-21	430371595300S1	SI	14-20-603370	13	41S	24E	NENE	0810FNL	0660FEL	
MCU	I-22	430373118700S1	Producing	14-20-603370	13	41S	24E	SENE	1975FNL	0700FEL	
MCU	I-24	430373018000S1	Producing	14-20-603370	13	41S	24E	SESE	0660FSL	0250FEL	
MCU	I-16B	430373041700S1	Producing	14-20-603372	6	41S	25E	NWSW	1442FSL	0040FWL	
MCU	J-12	430373034200S1	Producing	14-20-603372	31	40S	25E	SWSW	0631FSL	0495FWL	
MCU	J-14	430373032100S1	Producing	14-20-603372	6	41S	25E	SWNW	1822FNL	0543FWL	
MCU	J-15B	430373041400S1	Producing	14-20-603372	6	41S	25E	NWSW	2679FNL	1299FWL	
MCU	J-16A	430373101100S1	Producing	14-20-603372	6	41S	25E	SWSW	0601FSL	0524FWL	
MCU	K-11	430373035900S1	Producing	14-20-603372	31	40S	25E	NESW	1803FSL	1887FWL	
MCU	K-13	430373033700S1	Producing	14-20-603372	6	41S	25E	NENW	0935FNL	2132FWL	
MCU	K-15	430373032600S1	Producing	14-20-603372	6	41S	25E	NESW	1920FSL	1950FWL	
MCU	L-12	430373004000S1	Producing	14-20-603372	31	40S	25E	SWSE	0100FSL	1700FEL	
MCU	L-14	430373032300S1	SI	14-20-603372	6	41S	25E	SWNE	1955FNL	1821FEL	
MCU	L-16	430373032400S1	SI	14-20-603372	6	41S	25E	SESW	0642FSL	1788FEL	
MCU	M-11	430373035400S1	Producing	14-20-603372	31	40S	25E	NESE	2028FSL	0535FEL	
MCU	M-12B	430373041600S1	Producing	14-20-603372	31	40S	25E	SESE	1230FSL	0057FEL	
MCU	M-13	430373032000S1	Producing	14-20-603372	6	41S	25E	NENE	0897FNL	0402FEL	
MCU	M-15	430373031500S1	Producing	14-20-603372	6	41S	25E	NESE	1927FSL	0377FEL	
MCU	N-10	430373030400S1	Producing	14-20-603372	32	40S	25E	SWNW	3280FSL	0360FWL	
MCU	N-12	430373029100S1	SI	14-20-603372	32	40S	25E	SWSW	1266FSL	1038FWL	
MCU	N-14	430373028100S1	SI	14-20-603372	5	41S	25E	SWNW	2053FNL	0767FWL	
MCU	N-16	430373027700S1	SI	14-20-603372	5	41S	25E	SWSW	0665FSL	0788FWL	
MCU	O-09	430373035600S1	Producing	14-20-603372	32	40S	25E	NENW	0604FNL	1980FWL	
MCU	O-11	430373028200S1	Producing	14-20-603372	32	40S	25E	NESW	2094FSL	1884FWL	
MCU	O-13	430373028000S1	Producing	14-20-603372	5	41S	25E	NENW	0562FNL	2200FWL	
MCU	O-15	430373027500S1	SI	14-20-603372	5	41S	25E	NESW	2017FSL	2054FWL	
MCU	P-10	430373028401S1	Producing	14-20-603372	32	40S	25E	SWNE	3328FSL	1890FEL	
MCU	P-14	430373027600S1	TA	14-20-603372	5	41S	25E	SWNE	1947FNL	1852FEL	
MCU	P-16	430373028700S1	Producing	14-20-603372	5	41S	25E	SWSE	0680FSL	1865FEL	
MCU	Q-09	430373101300S1	Producing	14-20-603372	32	40S	25E	NENE	0753FNL	0574FEL	
MCU	Q-11	430373028300S1	Producing	14-20-603372	32	40S	25E	NESE	2027FSL	0868FEL	
MCU	Q-13	430373028800S1	Producing	14-20-603372	5	41S	25E	NENE	0699FNL	0760FEL	
MCU	Q-15	430373029000S1	Producing	14-20-603372	5	41S	25E	NESE	2027FSL	0591FEL	

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location						
					Sec	T	R	QTR/QTR	NSFoot	EWFoot	
MCU	F-14	430373025500S1	Producing	14-20-6034032	1	41S	24E	SWNW	2041FNL	0741FWL	
MCU	F-16	430373038100S1	Producing	14-20-6034032	1	41S	24E	SWSW	0813FSL	0339FWL	
MCU	G-13	430373036300S1	Producing	14-20-6034032	1	41S	24E	NENW	0656FNL	1999FWL	
MCU	H-14	430373036200S1	Producing	14-20-6034032	1	41S	24E	SWNE	1937FNL	2071FEL	
MCU	I-13	430373025700S1	Producing	14-20-6034032	1	41S	24E	NENE	0624FNL	0624FEL	
MCU	E-17	430373039000S1	SI	14-20-6034039	11	41S	24E	NENE	0713FNL	0661FEL	
MCU	G-17	430373037800S1	Producing	14-20-6034039	12	41S	24E	NENW	0649FNL	1904FWL	
MCU	H-16	430373036600S1	Producing	14-20-6034039	1	41S	24E	SWSE	0923FSL	1974FEL	
MCU	H-17B	430373041500S1	SI	14-20-6034039	1	41S	24E	SESE	0105FSL	1250FEL	
MCU	I-15	430373036100S1	Producing	14-20-6034039	1	41S	24E	NESE	1895FSL	0601FEL	
MCU	I-17	430373036700S1	Producing	14-20-6034039	12	41S	24E	NENE	0646FNL	0493FEL	
MCU	G-18B	430373039900S1	Producing	14-20-6034495	12	41S	24E	NWNE	1332FNL	2605FEL	
MCU	H-18	430373036400S1	SI	14-20-6034495	12	41S	24E	SWNE	1922FNL	1942FEL	
MCU	I-19	430373036500S1	Producing	14-20-6034495	12	41S	24E	NESE	2060FSL	0473FEL	
MCU	D-18	430373025600S1	Producing	14-20-6035447	11	41S	24E	SWNE	2380FNL	2000FEL	
MCU	E-18	430371570600S1	Producing	14-20-6035447	11	41S	24E	SENE	1600FNL	0660FEL	
MCU	F-18	430372018400S1	Producing	14-20-6035447	12	41S	24E	SWNW	1820FSL	2140FEL	
MCU	C-17	430373038500S1	TA	14-20-6035448	11	41S	24E	NENW	0182FNL	3144FEL	
MCU	C-19	430371570300S1	Producing	14-20-6035448	11	41S	24E	NESW	1980FSL	2060FWL	
MCU	F-20	430371570700S1	TA	14-20-6035450	12	41S	24E	SWSW	0510FSL	0510FWL	
MCU	G-20	430373118800S1	SI	14-20-6035450	12	41S	24E	SESW	0250FSL	1820FWL	
MCU	H-19	430372030400S1	Producing	14-20-6035451	12	41S	24E	NWSE	2035FSL	1900FEL	
MCU	H-20	430371570800S1	SI	14-20-6035451	12	41S	24E	SWSE	0300FSL	2200FEL	
MCU	N-08	430373101200S1	Producing	I-149-IND8839	29	40S	25E	SWSW	0700FSL	0699FWL	
MCU	O-08	430371614600S1	SI	I-149-IND8839	29	40S	25E	SESW	0750FSL	2030FWL	
MCU	P-08	430373035500S1	SI	I-149-IND8839	29	40S	25E	SWSE	0765FSL	3170FWL	
MCU	P-12	430373027800S1	SI	NOG-99041326	32	40S	25E	SWSE	758FSL	2237FEL	

Water Source Wells (Feb 2006)

MCU	2	4303712715	Active
MCU	3	4303712716	Active
MCU	4	4303712717	Active
MCU	5	4303712718	Active
MCU	6	4303712719	Active
MCU	7	4303712720	Active
MCU	8	4303712721	Active
MCU	9	4303712722	Active
MCU	10	4303712723	Active
MCU	11	4303712724	Active
MCU	12		Inactive
MCU	13	4303712726	Active
MCU	14	4303712727	Active
MCU	15	4303712728	Active
MCU	16	4303712729	Active
MCU	17	4303712730	Active
MCU	18	4303767001	Active
MCU	19	4303712732	Active
MCU	20	4303712733	Active
MCU	21	4303712734	Active
MCU	PIT1	4303700297	Active